

Electronic Supplementary Information for “A practical approach to detect unique metabolic patterns for personalized medicine”

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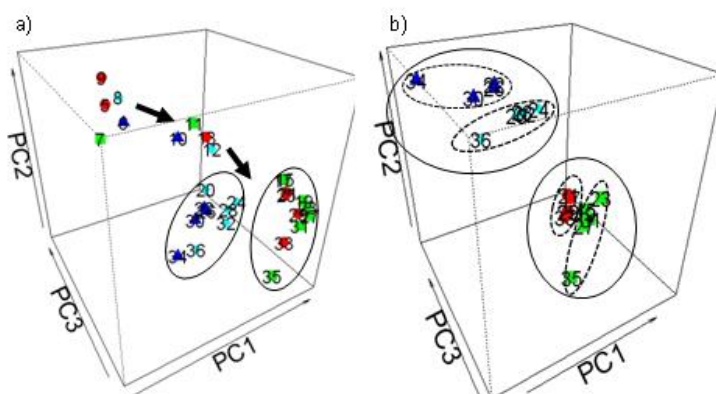


Fig S-1 a) Initial PCA analysis shows separation by run-time and column. Plasma was collected from 4 individuals, identified by colors, and run in 6 replicates on 2 columns. Results show a need for an 8 to 10 run wash-in period and a strong separation by column. b) After wash-in analyses were removed from the analysis, PCA shows a strong separation by column, indicated by solid circles, with a secondary separation by individual, indicated by broken circles.

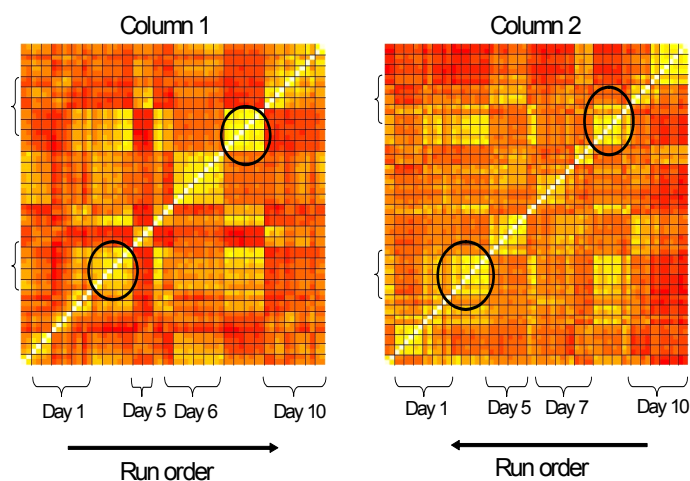


Fig S-2 Correlation analysis shows experimental results obtained from each column gives the same experimental answer. Plasma from a previously described experiment²¹ was run using the described LC-FTMS method. Samples were run in duplicate on each of 2 columns in reverse order. Correlation analysis using R software showed that neither column nor run order had large effects on correlation patterns. Some differences are apparent but these appear to be due to lost data for one of the columns.

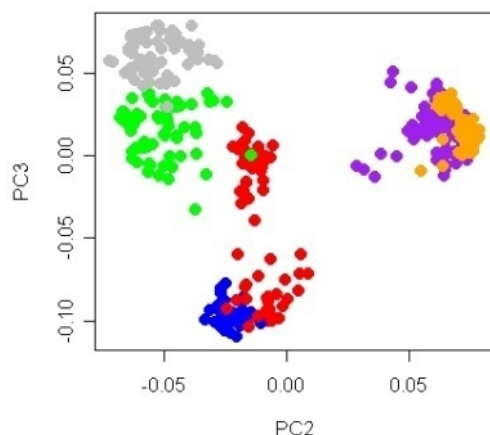


Fig S-3 Intra-individual variation is smaller than inter-individual variation even with variable dietary intake. Plasma was collected from 6 individuals on different chemically defined diets as described previously.²¹ Briefly, 34 samples were collected from each individual over a 10-day time course and included fasting and postprandial samples with a nutritionally complete and a nutritionally deficient diet. The metabolic profile was analyzed for each sample and PCA analysis done to visualize the results. Projections including PC1 (not shown) also separated grey and green and red and blue, but individuals represented by purple and gold were still close.

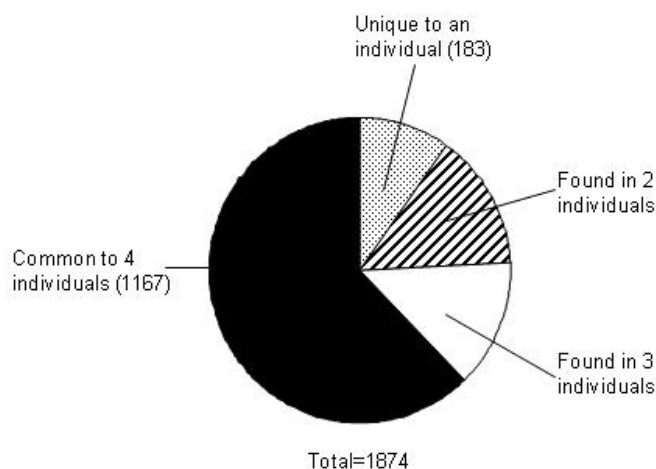


Fig S-4. Inter-individual comparison of LC-FTMS metabolic profiles of human plasma. To obtain a sample reflective of real variability in humans, plasma samples were collected from 4 healthy individuals (1 male, 3 females) without control of diet or other lifestyle factors. Following analysis by LC-FTMS, feature profiles were compared among individuals. Results showed that among the features detected, most were common to all individuals and only 10% were found in only one subject. Thus, even without control for diet or other factors, the predominance of m/z features detected by the LC-FTMS method were common among individuals.

Table S-1 Endogenous metabolism database

Metabolite	Elemental formula	Precise Mass	M + 1H	10ppm-	10ppm+
acetaldehyde	C2 H4 O	44.0262	45.0335	45.0330	45.0339
formate	C H2 O2	46.0055	47.0127	47.0123	47.0132
ethanol	C2 H6 O	46.0419	47.0491	47.0487	47.0496
2-propyn-1-al	C3 H2 O	54.0106	55.0178	55.0173	55.0184
acrolein	C3 H4 O	56.0262	57.0335	57.0329	57.0341
2-propyn-1-ol	C3 H4 O	56.0262	57.0335	57.0329	57.0341
acetone	C3 H6 O	58.0419	59.0491	59.0485	59.0497
propanal	C3 H6 O	58.0419	59.0491	59.0485	59.0497
acetamide	C2 H5 N O	59.0371	60.0444	60.0438	60.0450
guanidine	C H5 N3	59.0483	60.0556	60.0550	60.0562
trimethylamine	C3 H9 N	59.0735	60.0808	60.0802	60.0814
acetic acid	C2 H4 O2	60.0211	61.0284	61.0278	61.0290
glycolaldehyde	C2 H4 O2	60.0211	61.0284	61.0278	61.0290
urea	C H4 N2 O	60.0324	61.0396	61.0390	61.0402
1-propanol	C3 H8 O	60.0575	61.0648	61.0642	61.0654
2-propanol	C3 H8 O	60.0575	61.0648	61.0642	61.0654
carbamate	C H3 N O2	61.0164	62.0236	62.0230	62.0243
ethanolamine	C2 H7 N O	61.0528	62.0600	62.0594	62.0607
carbonic acid	C H2 O3	62.0004	63.0077	63.0070	63.0083
ethylene glycol	C2 H6 O2	62.0368	63.0440	63.0434	63.0447
aminoimidazole	C3 H5 N2	69.0453	70.0525	70.0518	70.0532
propynoate	C3 H2 O2	70.0055	71.0127	71.0120	71.0135
3-butyrol	C4 H6 O	70.0419	71.0491	71.0484	71.0498
methylglyoxal	C3 H4 O2	72.0211	73.0284	73.0277	73.0291
butyraldehyde	C4 H8 O	72.0575	73.0648	73.0641	73.0655
aminoacetone	C3 H7 N O	73.0528	74.0600	74.0593	74.0608
methylguanidine	C2 H7 N3	73.0640	74.0713	74.0705	74.0720
glyoxylic acid	C2 H2 O3	74.0004	75.0077	75.0069	75.0084
hydroxyacetone	C3 H6 O2	74.0368	75.0440	75.0433	75.0448
lactaldehyde	C3 H6 O2	74.0368	75.0440	75.0433	75.0448
propanoate	C3 H6 O2	74.0368	75.0440	75.0433	75.0448
1-butanol	C4 H10 O	74.0732	75.0804	75.0797	75.0812
1,3-diaminopropane	C3 H10 N2	74.0844	75.0917	75.0909	75.0924
glycine	C2 H5 N O2	75.0320	76.0393	76.0385	76.0401
1-amino-propan-2-ol	C3 H9 N O	75.0684	76.0757	76.0749	76.0764
trimethylamine N-oxide	C3 H9 N O	75.0684	76.0757	76.0749	76.0764
glycolate	C2 H4 O3	76.0160	77.0233	77.0225	77.0241
1,2-propandiol	C3 H8 O2	76.0524	77.0597	77.0589	77.0605
cysteamine	C2 H7 N S	77.0299	78.0372	78.0364	78.0380

piperidine	C5 H9 N	83.0735	84.0808	84.0799	84.0816
imidazolone	C3 H4 N2 O	84.0324	85.0396	85.0388	85.0405
3-butynoate	C4 H6 O2	86.0368	87.0440	87.0432	87.0449
2-aminoacrylate	C3 H5 N O2	87.0320	88.0393	88.0384	88.0402
4-aminobutyraldehyde	C4 H9 N O	87.0684	88.0757	88.0748	88.0766
pyruvic acid	C3 H4 O3	88.0160	89.0233	89.0224	89.0242
malonate semialdehyde	C3 H4 O3	88.0160	89.0233	89.0224	89.0242
acetoin	C4 H8 O2	88.0524	89.0597	89.0588	89.0606
butyric acid	C4 H8 O2	88.0524	89.0597	89.0588	89.0606
α-alanine	C3 H7 NO2	89.0477	90.0549	90.0540	90.0558
β-alanine	C3 H7 NO2	89.0477	90.0549	90.0540	90.0558
sarcosine	C3 H7 N O2	89.0477	90.0549	90.0540	90.0558
oxalic acid	C2 H2 O4	89.9953	91.0026	91.0017	91.0035
lactic acid	C3 H6 O3	90.0317	91.0390	91.0380	91.0399
3-hydroxypropionate	C3 H6 O3	90.0317	91.0390	91.0380	91.0399
glyceraldehyde	C3 H6 O3	90.0317	91.0390	91.0380	91.0399
glycerone	C3 H6 O3	90.0317	91.0390	91.0380	91.0399
2,3 butanediol	C4 H10 O2	90.0681	91.0753	91.0744	91.0763
3-amino-isobutyrate	C4 H9 N O2	91.0633	92.0706	92.0697	92.0715
glycerol	C3 H8 O3	92.0473	93.0546	93.0537	93.0555
isocaproic aldehyde	C6 H12 O	100.0888	101.0961	101.0951	101.0971
putrescine	C4 H12 N2	100.1000	101.1073	101.1063	101.1083
1-aminocyclopropane-1-carboxylate	C4 H7 N O2	101.0477	102.0549	102.0539	102.0560
acetoacetic acid	C4 H6 O3	102.0317	103.0390	103.0379	103.0400
2-oxo-butyrate	C4 H6 O3	102.0317	103.0390	103.0379	103.0400
methylmalonate semialdehyde	C4 H6 O3	102.0317	103.0390	103.0379	103.0400
succinate semialdehyde	C4 H6 O3	102.0317	103.0390	103.0379	103.0400
formiminoglycine	C3 H6 N2 O2	102.0429	103.0502	103.0492	103.0512
betaine aldehyde	C5 H12 N O	102.0919	103.0992	103.0981	103.1002
cadaverine	C5 H14 N2	102.1157	103.1230	103.1219	103.1240
β-amino-isobutyric acid	C4 H9 N O2	103.0633	104.0706	104.0696	104.0716
4-amino-butyrate	C4 H9 N O2	103.0633	104.0706	104.0696	104.0716
dimethylglycine	C4 H9 N O2	103.0633	104.0706	104.0696	104.0716
□□□□□□□□□□□□□□□□□□□□	C4 H9 N O2	103.0633	104.0706	104.0696	104.0716
hydroxypyruvate	C3 H4 O4	104.0109	105.0182	105.0172	105.0193
malonate	C3 H4 O4	104.0109	105.0182	105.0172	105.0193
tartronate semialdehyde	C3 H4 O4	104.0109	105.0182	105.0172	105.0193
2-hydroxybutyrate	C4 H8 O3	104.0473	105.0546	105.0536	105.0557
3-hydroxybutyric acid	C4 H8 O3	104.0473	105.0546	105.0536	105.0557
3-hydroxyisobutyrate	C4 H8 O3	104.0473	105.0546	105.0536	105.0557
4-hydroxybutyrate	C4 H8 O3	104.0473	105.0546	105.0536	105.0557
choline	C5 H14 N O	104.1075	105.1148	105.1138	105.1159
serine	C3 H7 N O3	105.0426	106.0499	106.0488	106.0509

diethanolamine	C4 H11 N O2	105.0790	106.0862	106.0852	106.0873
glycerate	C3 H6 O4	106.0266	107.0339	107.0328	107.0349
nicotinamide	C6 H6 N2 O	106.0531	107.0604	107.0593	107.0614
hypotaurine	C2 H7 N O2 S	109.0197	110.0270	110.0259	110.0281
catechol	C6 H6 O2	109.0289	110.0362	110.0351	110.0373
2-aminophenol	C6 H7 N O	109.0528	110.0600	110.0589	110.0611
pyrrole-2-carboxylate	C5 H4 N O2	110.0242	111.0315	111.0304	111.0326
1,4-benzenediol	C6 H6 O2	110.0368	111.0440	111.0429	111.0452
pyrocatechol	C6 H6 O2	110.0368	111.0440	111.0429	111.0452
imidazole-4-acetaldehyde	C5 H6 N2 O	110.0480	111.0553	111.0542	111.0564
2,5-dihydroxy-pyridine	C5 H5 N O2	111.0320	112.0393	112.0382	112.0404
cytosine	C4 H5 N3 O	111.0432	112.0505	112.0494	112.0516
histamine	C5 H9 N3	111.0796	112.0869	112.0858	112.0880
uracil	C4 H4 N2 O2	112.0273	113.0345	113.0334	113.0357
5-amino-4-imidazole carboxylate	C4 H5 N2 O2	113.0351	114.0424	114.0412	114.0435
1-pyrroline 2-carboxylate	C5 H7 N O2	113.0477	114.0549	114.0538	114.0561
1-pyrroline-5-carboxylate	C5 H7 N O2	113.0477	114.0549	114.0538	114.0561
creatinine	C4 H7 N3 O	113.0589	114.0662	114.0650	114.0673
acetylenedicarboxylate	C4 H2 O4	113.9953	115.0026	115.0014	115.0037
2-oxo-pent-4-enoate	C5 H6 O3	114.0317	115.0390	115.0378	115.0401
5,6-dihydrouracil	C4 H6 N2 O2	114.0429	115.0502	115.0490	115.0513
allyl sulfide	C6 H10 S	114.0503	115.0576	115.0564	115.0587
maleamate	C4 H5 N O3	115.0269	116.0342	116.0330	116.0354
proline	C5 H9 N O2	115.0633	116.0706	116.0694	116.0718
fumaric acid	C4 H4 O4	116.0109	117.0182	117.0170	117.0194
maleate	C4 H4 O4	116.0109	117.0182	117.0170	117.0194
2-oxoisovalerate	C5 H8 O3	116.0473	117.0546	117.0534	117.0558
glutarate semialdehyde	C5 H8 O3	116.0473	117.0546	117.0534	117.0558
5-aminopentanamide	C5 H12 N2 O	116.0950	117.1022	117.1011	117.1034
2-aminoacetoacetate	C4 H7 N O3	117.0426	118.0499	118.0487	118.0510
aspartate-4-semialdehyde	C4 H7 N O3	117.0426	118.0499	118.0487	118.0510
guanidinoacetate	C3 H7 N3 O2	117.0538	118.0611	118.0599	118.0623
indole	C8 H7 N	117.0578	118.0651	118.0639	118.0663
5-aminovalerate	C5 H11 N O2	117.0790	118.0862	118.0851	118.0874
succinic acid	C4 H6 O4	118.0266	119.0339	119.0327	119.0351
methylmalonate	C4 H6 O4	118.0266	119.0339	119.0327	119.0351
N-methylhydantoin	C3 H6 N2 O2	118.0378	119.0451	119.0439	119.0463
2,4-diaminobutanoate	C4 H10 N2 O2	118.0742	119.0815	119.0803	119.0827
betaine	C5 H12 N O2	118.0868	119.0941	119.0929	119.0953
homoserine	C4 H9 N O3	119.0582	120.0655	120.0643	120.0667
threonine	C4 H9 N O3	119.0582	120.0655	120.0643	120.0667
3-mercaptopyruvate	C3 H4 O3 S	119.9881	120.9954	120.9942	120.9966
3-(methylthio) propionic acid	C4 H8 O2 S	120.0245	121.0318	121.0306	121.0330

N-carbanoylsarcosine	C3 H8 N2 O3	120.0535	121.0607	121.0595	121.0620
pehnylacetaldehyde	C8 H8 O	120.0575	121.0648	121.0636	121.0660
3-mercaptoplactate	C3 H5 O3 S	120.9959	122.0032	122.0020	122.0044
cysteine	C3 H7 N O2 S	121.0197	122.0270	122.0258	122.0282
phenylethylamine	C8 H11 N	121.0891	122.0964	122.0952	122.0976
phenylethylalcohol	C8 H10 O	122.0732	123.0804	123.0792	123.0817
niacin	C6 H5 N O2	123.0320	124.0393	124.0381	124.0405
methylimidazole acetaldehyde	C6 H8 N2 O	124.0637	125.0709	125.0697	125.0722
glutaric acid	C5 H8 O4	124.0749	125.0822	125.0809	125.0834
taurine	C2 H7 N O3 S	125.0146	126.0219	126.0207	126.0232
5-methylcytosine	C5 H7 N3 O	125.0589	126.0662	126.0649	126.0674
N-methylhistamine	C6 H11 N3	125.0953	126.1026	126.1013	126.1038
formyl phosphate	C H3 O5 P	125.9712	126.9785	126.9772	126.9798
imidazole acetic acid	C5 H6 N2 O2	126.0429	127.0502	127.0489	127.0515
thymine	C5 H6 N2 O2	126.0429	127.0502	127.0489	127.0515
4-amino-4-imidazolecarboxamide	C4 H6 N4 O	126.0541	127.0614	127.0601	127.0627
cholesten-3-on	C8 H14 O	126.1045	127.1117	127.1105	127.1130
ethanolamine phosphate	C2 H8 N O4 P	127.0155	128.0227	128.0214	128.0240
2,3,4,5-tetrahydropyridine-3-carboxylate	C6 H9 N O2	127.0633	128.0706	128.0693	128.0719
piperidine-2-carboxylate	C6 H9 N O2	127.0633	128.0706	128.0693	128.0719
barbiturate	C4 H4 N2 O3	128.0222	129.0294	129.0282	129.0307
5,6-dihydrothymine	C5 H8 N2 O2	128.0586	129.0658	129.0645	129.0671
1-pyrroline-3-hydroxy-5-carboxylate	C5 H7 N O3	129.0426	130.0499	130.0486	130.0512
1-pyrroline-4-hydroxy-2-carboxylate	C5 H7 N O3	129.0426	130.0499	130.0486	130.0512
4-oxoproline	C5 H7 N O3	129.0426	130.0499	130.0486	130.0512
α-ketoisocaproic acid	C6 H9 O3	129.0552	130.0624	130.0611	130.0637
N4-acetylaminobutanal	C6 H11 N O2	129.0790	130.0862	130.0849	130.0875
pipecolate	C6 H11 N O2	129.0790	130.0862	130.0849	130.0875
4-guanidinobutanal	C5 H11 N3 O	129.0902	130.0975	130.0962	130.0988
itaconate	C5 H6 O4	130.0266	131.0339	131.0326	131.0352
2-oxoglutarate semialdehyde	C5 H6 O4	130.0266	131.0339	131.0326	131.0352
citraconate	C5 H6 O4	130.0266	131.0339	131.0326	131.0352
mesaconate	C5 H6 O4	130.0266	131.0339	131.0326	131.0352
2-oxo-3-methylvalerate	C6 H10 O3	130.0630	131.0703	131.0689	131.0716
2-oxo-isocaproate	C6 H10 O3	130.0630	131.0703	131.0689	131.0716
3-oxo-4-methylpentanoic acid	C6 H10 O3	130.0630	131.0703	131.0689	131.0716
N-acetylputrescine	C6 H14 N2 O	130.1106	131.1179	131.1166	131.1192
agmatine	C5 H14 N4	130.1218	131.1291	131.1278	131.1304
4-trimethylammonibutanal	C7 H16 N O +	130.1232	131.1305	131.1291	131.1318
coprostanol	C8 H18 O	130.1358	131.1430	131.1417	131.1443
2-oxosuccinamate	C4 H5 N O4	131.0218	132.0291	132.0278	132.0304
hydroxyproline	C5 H9 N O3	131.0582	132.0655	132.0642	132.0668
2-oxo-5-aminovalerate	C5 H9 N O3	131.0582	132.0655	132.0642	132.0668

4-hydroxyglutamate semialdehyde	C5 H9 N O3	131.0582	132.0655	132.0642	132.0668
5-aminolevulinate	C5 H9 N O3	131.0582	132.0655	132.0642	132.0668
glutamate-1-semialdehyde	C5 H9 N O3	131.0582	132.0655	132.0642	132.0668
glutamate-5-semialdehyde	C5 H9 N O3	131.0582	132.0655	132.0642	132.0668
creatine	C4 H9 N3 O2	131.0695	132.0767	132.0754	132.0781
isoleucine	C6 H13 N O2	131.0946	132.1019	132.1006	132.1032
leucine	C6 H13 N O2	131.0946	132.1019	132.1006	132.1032
norleucine	C6 H13 N O2	131.0946	132.1019	132.1006	132.1032
β-leucine	C6 H13 N O2	131.0946	132.1019	132.1006	132.1032
N-carbamoylputrescine	C5 H13 N3 O	131.1058	132.1131	132.1118	132.1144
oxalacetic acid	C4 H4 O5	132.0059	133.0131	133.0118	133.0145
2-hydroxyethylenedicarboxylate	C4 H4 O5	132.0059	133.0131	133.0118	133.0145
trans-2,3-epoxysuccinate	C4 H4 O5	132.0059	133.0131	133.0118	133.0145
oxalureate	C3 H4 N2 O4	132.0171	133.0244	133.0230	133.0257
2-acetolactate	C5 H8 O4	132.0422	133.0495	133.0482	133.0508
4-hydroxy-2-oxovalerate	C5 H8 O4	132.0422	133.0495	133.0482	133.0508
glutarate	C5 H8 O4	132.0422	133.0495	133.0482	133.0508
asparagine	C4 H8 N2 O3	132.0535	133.0607	133.0594	133.0621
3-ureidopropionate	C4 H8 N2 O3	132.0535	133.0607	133.0594	133.0621
gly-gly		132.0535	133.0607	133.0594	133.0621
ornithine	C5 H12 N2 O2	132.0899	133.0971	133.0958	133.0985
aspartic acid	C4 H7 N O4	133.0375	134.0448	134.0434	134.0461
ureidoglycine	C3 H7 N3 O3	133.0487	134.0560	134.0547	134.0573
indoxyl	C8 H7 N O	133.0528	134.0600	134.0587	134.0614
malic acid	C4 H6 O5	134.0215	135.0288	135.0274	135.0301
3-dehydro threonate	C4 H6 O5	134.0215	135.0288	135.0274	135.0301
ureidoglycolate	C3 H6 N2 O4	134.0327	135.0400	135.0387	135.0414
2,3-dihydroxyisovalerate	C5 H10 O4	134.0579	135.0652	135.0638	135.0665
deoxyribose	C5 H10 O4	134.0579	135.0652	135.0638	135.0665
acetanilide	C8 H8 N O	134.0606	135.0679	135.0665	135.0692
picolinate	C7 H5 N O2	135.0320	136.0393	136.0379	136.0407
homocysteine	C4 H9 N O2 S	135.0354	136.0427	136.0413	136.0440
4-chlorophenylacetate	C8 H7 O2 Cl	135.0446	136.0519	136.0505	136.0532
adenine	C5 H5 N5	135.0545	136.0618	136.0604	136.0631
phenylacetamide	C8 H9 N O	135.0684	136.0757	136.0743	136.0770
threonate	C4 H8 O5	136.0372	137.0444	137.0431	137.0458
hypoxanthine	C5 H4 N4 O	136.0385	137.0458	137.0444	137.0471
phenylacetic acid	C8 H8 O2	136.0524	137.0597	137.0583	137.0611
4-hydroxyphenylacetaldehyde	C8 H8 O2	136.0524	137.0597	137.0583	137.0611
4-aminobenzoate	C7 H7 N O2	137.0477	138.0549	138.0536	138.0563
anthranilate	C7 H7 N O2	137.0477	138.0549	138.0536	138.0563
tyramine	C8 H11 N O	137.0841	138.0913	138.0900	138.0927
acetyl-P	C2 H3 O5 P	137.9712	138.9785	138.9771	138.9799

4-hydroxybenzoate	C7 H6 O3	138.0317	139.0390	139.0376	139.0403
gentisate aldehyde	C7 H6 O3	138.0317	139.0390	139.0376	139.0403
urocanate	C6 H6 N2 O2	138.0429	139.0502	139.0488	139.0516
4-hydroxyphenylethanol	C8 H10 O2	138.0681	139.0753	139.0740	139.0767
O-phosphoethanolamine	C2 H6 N O4 P	139.0029	140.0101	140.0087	140.0115
6-hydroxy-nicotinate	C6 H5 N O3	139.0269	140.0342	140.0328	140.0356
histidinal	C6 H9 N3 O	139.0745	140.0818	140.0804	140.0832
methylimidazoleacetic acid	C6 H8 N2 O2	140.0586	141.0658	141.0644	141.0672
carbamoyl phosphate	C H4 N O5 P	140.9821	141.9894	141.9880	141.9908
histidinol	C6 H11 N3 O	141.0902	142.0975	142.0961	142.0989
coenzyme M	C2 H6 O3 S2	141.9758	142.9831	142.9817	142.9845
3-oxoadipate-enol-lactone	C6 H6 O4	142.0266	143.0339	143.0324	143.0353
muconate	C6 H6 O4	142.0266	143.0339	143.0324	143.0353
5-methyl-barbiturate	C5 H6 N2 O3	142.0378	143.0451	143.0437	143.0465
imidazolone acetate	C5 H6 N2 O3	142.0378	143.0451	143.0437	143.0465
2-methyleneglutarate	C6 H8 O4	144.0422	145.0495	145.0481	145.0510
dimethylmaleate	C6 H8 O4	144.0422	145.0495	145.0481	145.0510
methylitaconate	C6 H8 O4	144.0422	145.0495	145.0481	145.0510
ectoine	C6 H12 N2 O2	144.0899	145.0971	145.0957	145.0986
4-guanidinobutanamide	C5 H12 N4 O	144.1011	145.1084	145.1069	145.1098
2-oxo-glutamamate	C5 H7 N O4	145.0375	146.0448	146.0433	146.0462
4-oxoglutamamate	C5 H7 N O4	145.0375	146.0448	146.0433	146.0462
2-amino-5-oxohexanoate	C6 H11 N O3	145.0739	146.0812	146.0797	146.0826
2-aminoadipate 6-semialdehyde	C6 H11 N O3	145.0739	146.0812	146.0797	146.0826
2-oxo-6-aminocaproate	C6 H11 N O3	145.0739	146.0812	146.0797	146.0826
4-acetamidobutanoate	C6 H11 N O3	145.0739	146.0812	146.0797	146.0826
5-amino-3-oxohexanoic acid	C6 H11 N O3	145.0739	146.0812	146.0797	146.0826
4-guanidinobutyrate	C5 H11 N3 O2	145.0851	146.0924	146.0909	146.0938
3,6-diaminohexonate	C6 H13 N2 O2	145.0977	146.1050	146.1035	146.1064
spermidine	C7 H19 N3	145.1579	146.1652	146.1637	146.1666
2-oxoglutaric acid	C5 H6 O5	146.0215	147.0288	147.0273	147.0302
erythroascorbate	C5 H6 O5	146.0215	147.0288	147.0273	147.0302
methyloxaloacetate	C5 H6 O5	146.0215	147.0288	147.0273	147.0302
oxoglutaric acid	C5 H6 O5	146.0215	147.0288	147.0273	147.0302
4,5-dihydro-orotate	C4 H6 N2 O4	146.0327	147.0400	147.0385	147.0415
adipic acid	C6 H10 O4	146.0579	147.0652	147.0637	147.0666
2-aceto-2-hydroxybutyrate	C6 H10 O4	146.0579	147.0652	147.0637	147.0666
2-dehydropantoate	C6 H10 O4	146.0579	147.0652	147.0637	147.0666
glutamine	C5 H10 N2 O3	146.0691	147.0764	147.0749	147.0779
3-ureido-isobutyrate	C5 H10 N2 O3	146.0691	147.0764	147.0749	147.0779
gly-ala		146.0691	147.0764	147.0749	147.0779
lysine	C6 H14 N2 O2	146.1055	147.1128	147.1113	147.1143
3,5-diaminohexonate	C6 H14 N2 O2	146.1055	147.1128	147.1113	147.1143

δ1-piperideine-2-carboxylate	C6 H14 N2 O2	146.1055	147.1128	147.1113	147.1143
4-trimethylammoniumbutanoate	C7 H16 N O2 +	146.1181	147.1254	147.1239	147.1268
acetylcholine	C7 H16 N O2 +	146.1181	147.1254	147.1239	147.1268
indole-5,6-quinone	C8 H5 N O2	147.0320	148.0393	148.0378	148.0408
glutamic acid	C5 H9 N O4	147.0531	148.0604	148.0589	148.0619
2-oxo-4-hydroxy-5-amino-valerate	C5 H9 N O4	147.0531	148.0604	148.0589	148.0619
3-methylaspartate	C5 H9 N O4	147.0531	148.0604	148.0589	148.0619
isoglutamate	C5 H9 N O4	147.0531	148.0604	148.0589	148.0619
O-acetylserine	C5 H9 N O4	147.0531	148.0604	148.0589	148.0619
2-hydroxy-3-oxosuccinate	C4 H4 O6	148.0008	149.0080	149.0065	149.0095
dihydrofumarate	C4 H4 O6	148.0008	149.0080	149.0065	149.0095
4-methylthio-2-oxobutanoic acid	C5 H8 O3 S	148.0194	149.0267	149.0252	149.0282
2-dehydro-3-deoxy arabionate	C5 H8 O5	148.0372	149.0444	149.0429	149.0459
2-dehydro-3-deoxy xylonate	C5 H8 O5	148.0372	149.0444	149.0429	149.0459
2-hydroxyglutarate	C5 H8 O5	148.0372	149.0444	149.0429	149.0459
2-methylmalate	C5 H8 O5	148.0372	149.0444	149.0429	149.0459
arabino-1,5-lactone	C5 H8 O5	148.0372	149.0444	149.0429	149.0459
arabinono-1,4-lactone	C5 H8 O5	148.0372	149.0444	149.0429	149.0459
citramalate	C5 H8 O5	148.0372	149.0444	149.0429	149.0459
erythro-3-methylmalate	C5 H8 O5	148.0372	149.0444	149.0429	149.0459
threo-3-methylmalate	C5 H8 O5	148.0372	149.0444	149.0429	149.0459
xylonolactone	C5 H8 O5	148.0372	149.0444	149.0429	149.0459
trans-cinnamate	C9 H8 O2	148.0524	149.0597	149.0582	149.0612
2,3-dihydroxy-3-methylvalerate	C6 H12 O4	148.0735	149.0808	149.0793	149.0823
mevalonate	C6 H12 O4	148.0735	149.0808	149.0793	149.0823
pantoate	C6 H12 O4	148.0735	149.0808	149.0793	149.0823
2-formylaminobenzaldehyde	C8 H7 N O2	149.0477	150.0549	150.0534	150.0564
5,6-dihydroxyindole	C8 H7 N O2	149.0477	150.0549	150.0534	150.0564
dihydroxyindole	C8 H7 N O2	149.0477	150.0549	150.0534	150.0564
methionine	C5 H11 N O2 S	149.0510	150.0583	150.0568	150.0598
triethanolamine	C6 H15 N O3	149.1052	150.1125	150.1110	150.1140
tartrate	C4 H6 O6	150.0164	151.0237	151.0222	151.0252
guanine	C5 H4 N5 O	150.0416	151.0488	151.0473	151.0503
arabinose	C5 H10 O5	150.0528	151.0601	151.0586	151.0616
lyxose	C5 H10 O5	150.0528	151.0601	151.0586	151.0616
ribose	C5 H10 O5	150.0528	151.0601	151.0586	151.0616
ribulose	C5 H10 O5	150.0528	151.0601	151.0586	151.0616
xylose	C5 H10 O5	150.0528	151.0601	151.0586	151.0616
xylulose	C5 H10 O5	150.0528	151.0601	151.0586	151.0616
phenylpropanoate	C9 H10 O2	150.0681	151.0753	151.0738	151.0769
acetaminophen	C8 H9 N O2	151.0633	152.0706	152.0691	152.0721
4-hydroxyphenylacetaldehyde-oxime	C8 H9 N O2	151.0633	152.0706	152.0691	152.0721
N-methyltyramine	C9 H13 N O	151.0997	152.1070	152.1055	152.1085

3-sulfinylpyruvate	C3 H4 O5 S	151.9779	152.9852	152.9837	152.9867
xanthine	C5 H4 N4 O2	152.0334	153.0407	153.0391	153.0422
cystamine	C4 H12 N2 S2	152.0442	153.0515	153.0499	153.0530
2-hydroxyphenylacetate	C8 H8 O3	152.0473	153.0546	153.0531	153.0561
3,4-dihydroxyphenylacetaldehyde	C8 H8 O3	152.0473	153.0546	153.0531	153.0561
3-hydroxyphenylacetate	C8 H8 O3	152.0473	153.0546	153.0531	153.0561
4-hydroxyphenylacetate	C8 H8 O3	152.0473	153.0546	153.0531	153.0561
arabitol	C5 H12 O5	152.0685	153.0757	153.0742	153.0773
ribitol	C5 H12 O5	152.0685	153.0757	153.0742	153.0773
xylitol	C5 H12 O5	152.0685	153.0757	153.0742	153.0773
thiocysteine	C3 H7 N O2 S2	152.9918	153.9991	153.9975	154.0006
3-sulfinoalanine	C3 H7 N O4 S	153.0096	154.0168	154.0153	154.0184
3-hydroxyanthranilate	C7 H7 N O3	153.0426	154.0499	154.0483	154.0514
dopamine	C8 H11 N O2	153.0790	154.0862	154.0847	154.0878
4-(β -acetylaminoethyl) imidazole	C7 H11 N3 O	153.0902	154.0975	154.0959	154.0990
propionyl phosphate	C3 H7 O5 P	154.0025	155.0098	155.0083	155.0114
3,4-dihydroxybenzoate	C7 H6 O4	154.0266	155.0339	155.0323	155.0354
imidazol-5-yl-pyruvate	C6 H6 N2 O3	154.0378	155.0451	155.0435	155.0466
N-methylethanolamine phosphate	C3 H10 N O4 P	155.0342	156.0414	156.0399	156.0430
2,5-dihydroxybenzoate	C7 H7 O4	155.0344	156.0417	156.0401	156.0433
histidine	C6 H9 N3 O2	155.0695	156.0767	156.0752	156.0783
2-phosphoglycolate	C2 H5 O6 P	155.9818	156.9891	156.9875	156.9906
methyl-CoM	C3 H8 O3 S2	155.9915	156.9987	156.9972	157.0003
orotic acid	C5 H4 N2 O4	156.0171	157.0244	157.0228	157.0259
5-ureido-4-imidazole carboxylate	C5 H6 N3 O3	156.0409	157.0482	157.0466	157.0497
4-imidazolone-5-propionate	C6 H8 N2 O3	156.0535	157.0607	157.0592	157.0623
imidazole lactate	C6 H8 N2 O3	156.0535	157.0607	157.0592	157.0623
3-indoleacetonitrile	C10 H8 N2	156.0687	157.0760	157.0744	157.0776
2-amino-muconate	C6 H7 N O4	157.0375	158.0448	158.0432	158.0463
2-hydroxymuconate	C6 H6 O5	158.0215	159.0288	159.0272	159.0304
4-methylene-2-oxoglutarate	C6 H6 O5	158.0215	159.0288	159.0272	159.0304
5-oxohex-2-enedioate	C6 H6 O5	158.0215	159.0288	159.0272	159.0304
allantoin	C4 H6 N4 O3	158.0440	159.0512	159.0496	159.0528
dimethylcitrate	C7 H10 O4	158.0579	159.0652	159.0636	159.0668
4-methylene glutamine	C6 H10 N2 O3	158.0691	159.0764	159.0748	159.0780
4-methylene glutamate	C6 H9 N O4	159.0531	160.0604	160.0588	160.0620
valine	C5 H11 N O2	159.0882	160.0955	160.0939	160.0971
5-acetamidopentanoate	C7 H13 N O3	159.0895	160.0968	160.0952	160.0984
2,3-diketo 4-dexoy-epi-inositol	C6 H8 O5	160.0372	161.0444	161.0428	161.0460
2-oxoadipate	C6 H8 O5	160.0372	161.0444	161.0428	161.0460
3,5/4-trihydroxycyclohexa-1,2-dione	C6 H8 O5	160.0372	161.0444	161.0428	161.0460
3-oxo-adipate	C6 H8 O5	160.0372	161.0444	161.0428	161.0460
5-dehydro-4-deoxy-D-glucuronate	C6 H8 O6	160.0372	161.0444	161.0428	161.0460

N-formiminoaspartate	C5 H8 N2 O4	160.0484	161.0557	161.0540	161.0573
allantoate	C4 H8 N4 O3	160.0596	161.0669	161.0653	161.0685
glycerol 3-P	C3 H9 O6 P	160.0621	161.0693	161.0677	161.0709
3-methyladipic acid	C7 H12 O4	160.0735	161.0808	161.0792	161.0824
indole acetaldehyde	C10 H10 N O	160.0762	161.0835	161.0819	161.0851
N-γ-acetyldiaminobutyrate	C6 H12 N2 O3	160.0848	161.0920	161.0904	161.0937
ala-ala		160.0848	161.0920	161.0904	161.0937
tryptamine	C10 H12 N2	160.1000	161.1073	161.1057	161.1089
N-formyl aspartate	C5 H7 N O5	161.0324	162.0397	162.0381	162.0413
4,6-dihydroxyquinoline	C9 H7 N O2	161.0477	162.0549	162.0533	162.0566
4,8-dihydroxyquinoline	C9 H7 N O2	161.0477	162.0549	162.0533	162.0566
α-aminoadipic acid	C6 H11 N O4	161.0688	162.0761	162.0744	162.0777
4-methyl glutamate	C6 H11 N O4	161.0688	162.0761	162.0744	162.0777
N-methyl glutamate	C6 H11 N O4	161.0688	162.0761	162.0744	162.0777
O-acetyl homoserine	C6 H11 N O4	161.0688	162.0761	162.0744	162.0777
indole-3-ethanol	C10 H11 N O	161.0841	162.0913	162.0897	162.0930
4-hydroxy-2-oxoglutarate	C5 H6 O6	162.0164	163.0237	163.0221	163.0253
1,2-dihydroxy-5-(methylthio) pent-1-en-3-one	C6 H10 O3 S	162.0351	163.0423	163.0407	163.0440
2,3-dimethylmalate	C6 H10 O5	162.0528	163.0601	163.0584	163.0617
2-ethylmalate	C6 H10 O5	162.0528	163.0601	163.0584	163.0617
3-ethylmalate	C6 H10 O5	162.0528	163.0601	163.0584	163.0617
rhamno-1,4-lactone	C6 H10 O5	162.0528	163.0601	163.0584	163.0617
gly-ser		162.0640	163.0713	163.0697	163.0729
safrole	C10 H10 O2	162.0681	163.0753	163.0737	163.0770
□□□□□□□□□□□□□□	C6 H14 N2 O3	162.1004	163.1077	163.1061	163.1093
N6-hydroxylysine	C6 H14 N2 O3	162.1004	163.1077	163.1061	163.1093
carnitine	C7 H16 N O3	162.1130	163.1203	163.1186	163.1219
nicotine	C10 H14 N2	162.1157	163.1230	163.1213	163.1246
N-acetylcysteine	C5 H9 N O3 S	163.0303	164.0376	164.0359	164.0392
erythro-4-hydroxyglutamate	C5 H9 N O5	163.0480	164.0553	164.0537	164.0570
3-methyldioxyindole	C9 H9 N O2	163.0633	164.0706	164.0690	164.0722
parapyruvate	C6 H8 O6	164.0321	165.0393	165.0377	165.0410
2-hydroxy-3-phenylpropenoate	C9 H8 O3	164.0473	165.0546	165.0530	165.0563
cinnamatedihydrodiol	C9 H8 O3	164.0473	165.0546	165.0530	165.0563
p-coumaric acid	C9 H8 O3	164.0473	165.0546	165.0530	165.0563
o-coumaric acid	C9 H8 O3	164.0473	165.0546	165.0530	165.0563
phenylpyruvate	C9 H8 O3	164.0473	165.0546	165.0530	165.0563
trans-3-hydroxycinnamate	C9 H8 O3	164.0473	165.0546	165.0530	165.0563
fuculose	C6 H12 O5	164.0685	165.0757	165.0741	165.0774
rhamnofuranose	C6 H12 O5	164.0685	165.0757	165.0741	165.0774
rhamnose	C6 H12 O5	164.0685	165.0757	165.0741	165.0774
rhamnulose	C6 H12 O5	164.0685	165.0757	165.0741	165.0774
formylanthranilate	C8 H7 N O3	165.0426	166.0499	166.0482	166.0515

methionine sulfoxide	C5 H11 N O3 S	165.0459	166.0532	166.0516	166.0549
phenylalanine	C9 H11 N O2	165.0790	166.0862	166.0846	166.0879
hordenine	C10 H15 N O	165.1154	166.1226	166.1210	166.1243
terephthalic acid	C8 H6 O4	166.0266	167.0339	167.0322	167.0355
arabinonate	C5 H10 O6	166.0477	167.0550	167.0533	167.0567
lyxonate	C5 H10 O6	166.0477	167.0550	167.0533	167.0567
xylonate	C5 H10 O6	166.0477	167.0550	167.0533	167.0567
2-hydroxyphenylpropanoate	C9 H10 O3	166.0630	167.0703	167.0686	167.0719
3-hydroxyphenylpropanoate	C9 H10 O3	166.0630	167.0703	167.0686	167.0719
3-methoxy-4-hydroxyphenylacetaldehyde	C9 H10 O3	166.0630	167.0703	167.0686	167.0719
phenylpropanoate-dihydrodiol	C9 H10 O3	166.0630	167.0703	167.0686	167.0719
pyridoxal	C8 H9 N O3	167.0582	168.0655	168.0638	168.0672
3-methoxyanthranilate	C8 H9 N O3	167.0582	168.0655	168.0638	168.0672
3-methoxytyramine	C9 H13 N O2	167.0946	168.1019	168.1002	168.1036
3-sulfopyruvate	C3 H4 O6 S	167.9728	168.9801	168.9784	168.9818
2-phosphoglycerate	C3 H5 O6 P	167.9818	168.9891	168.9874	168.9908
3-phosphoglycerate	C3 H5 O6 P	167.9818	168.9891	168.9874	168.9908
glyceraldehyde 3-P	C3 H5 O6 P	167.9818	168.9891	168.9874	168.9908
phosphoenolpyruvate	C3 H5 O6 P	167.9818	168.9891	168.9874	168.9908
butyryl-P	C4 H9 O5 P	168.0182	169.0255	169.0238	169.0272
uric acid	C5 H4 N4 O3	168.0283	169.0356	169.0339	169.0373
3,4-dihydroxymandelaldehyde	C8 H8 O4	168.0422	169.0495	169.0478	169.0512
3,4-dihydroxyphenylacetate	C8 H8 O4	168.0422	169.0495	169.0478	169.0512
homogentisate	C8 H8 O4	168.0422	169.0495	169.0478	169.0512
pyridoxamine	C8 H12 N2 O2	168.0899	169.0971	169.0954	169.0988
cysteic acid	C3 H7 N O5 S	169.0045	170.0117	170.0100	170.0134
2,3-dihydrodipicolinate	C7 H7 N O4	169.0375	170.0448	170.0431	170.0465
phosphodimethylethanolamine	C4 H12 N O4 P	169.0498	170.0571	170.0554	170.0588
pyridoxine	C8 H11 N O3	169.0739	170.0812	170.0795	170.0829
norepinephrine	C8 H11 N O3	169.0739	170.0812	170.0795	170.0829
3-methylhistidine	C7 H11 N3 O2	169.0851	170.0924	170.0907	170.0941
N-methylhistidine	C7 H11 N3 O2	169.0851	170.0924	170.0907	170.0941
glycerone phosphate	C3 H7 O6 P	169.9974	171.0047	171.0030	171.0064
thiourocanic acidq	C6 H6 N2 O2 S	170.0150	171.0223	171.0205	171.0240
3,4-dihydroxyphenylethyleneglycol	C8 H10 O4	170.0579	171.0652	171.0635	171.0669
2,3,4,5-tetrahydrodipicolinate	C7 H9 N O4	171.0531	172.0604	172.0587	172.0621
2-oxohept-3-enedioate	C7 H8 O5	172.0372	173.0444	173.0427	173.0462
hydantoin propionate	C6 H8 N2 O4	172.0484	173.0557	173.0539	173.0574
gly-pro		172.0848	173.0920	173.0903	173.0938
N-acetylglutamate semialdehyde	C7 H11 N O4	173.0688	174.0761	174.0743	174.0778
2-oxoarginine	C6 H11 N3 O3	173.0800	174.0873	174.0856	174.0890
aconitic acid	C6 H6 O6	174.0164	175.0237	175.0219	175.0254
dehydroascorbate	C6 H6 O6	174.0164	175.0237	175.0219	175.0254

shikimate	C7 H10 O5	174.0528	175.0601	175.0583	175.0618
N-forminoglutamate	C6 H10 N2 O4	174.0640	175.0713	175.0696	175.0731
indole-3-acetaldoxime	C10 H10 N2 O	174.0793	175.0866	175.0848	175.0883
indole-3-acetamide	C10 H10 N2 O	174.0793	175.0866	175.0848	175.0883
N-acetylornithine	C7 H14 N2 O3	174.1004	175.1077	175.1059	175.1094
arginine	C6 H14 N4 O2	174.1117	175.1189	175.1172	175.1207
N-methyltryptamine	C11 H14 N2	174.1157	175.1230	175.1212	175.1247
monodehydroascorbate	C6 H7 O6	175.0242	176.0315	176.0298	176.0333
2-amino-3-oxoadipate	C6 H9 N O5	175.0480	176.0553	176.0536	176.0571
N-acetylaspartate	C6 H9 N O5	175.0480	176.0553	176.0536	176.0571
N-formyl glutamate	C6 H9 N O5	175.0480	176.0553	176.0536	176.0571
indolyl-3-acetic acid	C10 H9 N O2	175.0633	176.0706	176.0688	176.0724
3-indoleglycolaldehyde	C10 H9 N O2	175.0633	176.0706	176.0688	176.0724
5-hydroxyindole acetaldehyde	C10 H9 N O2	175.0633	176.0706	176.0688	176.0724
N-acetyloxyindolyl	C10 H9 N O2	175.0633	176.0706	176.0688	176.0724
citrulline	C6 H13 N3 O3	175.0957	176.1029	176.1012	176.1047
ascorbic acid	C6 H8 O6	176.0321	177.0393	177.0376	177.0411
2-dehydro-glucono-1,5-lactone	C6 H8 O6	176.0321	177.0393	177.0376	177.0411
2-hydroxy-3-oxoadipate	C6 H8 O6	176.0321	177.0393	177.0376	177.0411
4,6-dihydroxy-2,5-dioxohexanoate	C6 H8 O6	176.0321	177.0393	177.0376	177.0411
galacturonolactone	C6 H8 O6	176.0321	177.0393	177.0376	177.0411
glucuronolactone	C6 H8 O6	176.0321	177.0393	177.0376	177.0411
xylo-hexulonolactone	C6 H8 O6	176.0321	177.0393	177.0376	177.0411
carbamyiaspartic acid	C5 H8 N2 O5	176.0433	177.0506	177.0488	177.0523
2-isopropylmalate	C7 H12 O5	176.0685	177.0757	177.0740	177.0775
2-propylmalate	C7 H12 O5	176.0685	177.0757	177.0740	177.0775
3-carboxy-3-hydroxyisocaproate	C7 H12 O5	176.0685	177.0757	177.0740	177.0775
3-isopropylmalate	C7 H12 O5	176.0685	177.0757	177.0740	177.0775
3-propylmalate	C7 H12 O5	176.0685	177.0757	177.0740	177.0775
gly-thr		176.0797	177.0870	177.0852	177.0887
ala-ser		176.0797	177.0870	177.0852	177.0887
serotonin	C10 H12 N2 O	176.0950	177.1022	177.1005	177.1040
N-formyl methionine	C6 H11 N O3 S	177.0459	178.0532	178.0514	178.0550
4-hydroxy-4-methylglutamate	C6 H11 N O5	177.0637	178.0710	178.0692	178.0728
cysteinylglycine	C5 H10 N2 O3 S	178.0412	179.0485	179.0467	179.0503
gly-cys		178.0412	179.0485	179.0467	179.0503
2-dehydro-3-deoxy-galactonate	C6 H10 O6	178.0477	179.0550	179.0532	179.0568
2-dehydro-3-deoxygluconate	C6 H10 O6	178.0477	179.0550	179.0532	179.0568
2-dehydro-3-deoxy-rhamnonate	C6 H10 O6	178.0477	179.0550	179.0532	179.0568
2-dehydro-glucose	C6 H10 O6	178.0477	179.0550	179.0532	179.0568
2-dexoy-5-keto gluconic acid	C6 H10 O6	178.0477	179.0550	179.0532	179.0568
2-inosose	C6 H10 O6	178.0477	179.0550	179.0532	179.0568

3-keto-β-galactose	C6 H10 O6	178.0477	179.0550	179.0532	179.0568
galactono-1,4-lactone	C6 H10 O6	178.0477	179.0550	179.0532	179.0568
glucono-1,5-lactone	C6 H10 O6	178.0477	179.0550	179.0532	179.0568
gulono-1,4-lactone	C6 H10 O6	178.0477	179.0550	179.0532	179.0568
quinolinate	C8 H5 N O4	179.0218	180.0291	180.0273	180.0309
cysteine (S-carboxymethyl)	C5 H9 N O4 S	179.0252	180.0325	180.0307	180.0343
hippuric acid	C9 H9 N O3	179.0582	180.0655	180.0637	180.0673
glucosamine	C6 H13 N O5	179.0793	180.0866	180.0848	180.0884
2-hydroxy-3-(4-hydroxyphenyl) propenoate	C9 H8 O4	180.0422	181.0495	181.0477	181.0513
4-hydroxyphenylpyruvate	C9 H8 O4	180.0422	181.0495	181.0477	181.0513
trans-2,3-dihydroxycinnamate	C9 H8 O4	180.0422	181.0495	181.0477	181.0513
5-methylthio ribose	C6 H12 O4 S	180.0456	181.0529	181.0511	181.0547
galactose	C6 H12 O6	180.0634	181.0706	181.0688	181.0724
glucose	C6 H12 O6	180.0634	181.0706	181.0688	181.0724
inositol	C6 H12 O6	180.0634	181.0706	181.0688	181.0724
fructose	C6 H12 O6	180.0634	181.0706	181.0688	181.0724
fuconate	C6 H12 O6	180.0634	181.0706	181.0688	181.0724
mannose	C6 H12 O6	180.0634	181.0706	181.0688	181.0724
mesoinositol	C6 H12 O6	180.0634	181.0706	181.0688	181.0724
rhamnonate	C6 H12 O6	180.0634	181.0706	181.0688	181.0724
sorbose	C6 H12 O6	180.0634	181.0706	181.0688	181.0724
tagatose	C6 H12 O6	180.0634	181.0706	181.0688	181.0724
theophylline	C7 H8 N4 O2	180.0647	181.0720	181.0702	181.0738
3-hydroxykynurenamine	C9 H12 N2 O2	180.0899	181.0971	181.0953	181.0989
5-hydroxykynurenamine	C9 H12 N2 O2	180.0899	181.0971	181.0953	181.0989
4-hydroxymandelonitrile	C8 H7 N O4	181.0375	182.0448	182.0429	182.0466
tyrosine	C9 H11 N O3	181.0739	182.0812	182.0793	182.0830
β-tyrosine	C9 H11 N O3	181.0739	182.0812	182.0793	182.0830
O-phosphocholine	C5 H13 N O4 P	182.0576	183.0649	183.0631	183.0668
2,3-dihydroxyphenylpropanoate	C9 H10 O4	182.0579	183.0652	183.0633	183.0670
3-methoxy-4-hydroxyphenylacetate	C9 H10 O4	182.0579	183.0652	183.0633	183.0670
3-methoxy-4-hydroxyphenylglycolaldehyde	C9 H10 O4	182.0579	183.0652	183.0633	183.0670
4-hydroxyphenyllactate	C9 H10 O4	182.0579	183.0652	183.0633	183.0670
homovanillate	C9 H10 O4	182.0579	183.0652	183.0633	183.0670
galactitol	C6 H14 O6	182.0790	183.0863	183.0845	183.0881
mannitol	C6 H14 O6	182.0790	183.0863	183.0845	183.0881
sorbitol	C6 H14 O6	182.0790	183.0863	183.0845	183.0881
saccharin	C7 H5 N O3 S	182.9990	184.0063	184.0044	184.0081
piperideine-2,6-dicarboxylate	C8 H9 N O4	183.0531	184.0604	184.0586	184.0623
colinephosphoric acid	C5 H14 N O4 P	183.0655	184.0727	184.0709	184.0746
epinephrine	C9 H13 N O3	183.0895	184.0968	184.0950	184.0986
normetanephrine	C9 H13 N O3	183.0895	184.0968	184.0950	184.0986
3-P-hydroxypyruvate	C3 H5 O7 P	183.9767	184.9840	184.9821	184.9858

5-hydroxyisourate	C5 H4 N4 O4	184.0232	185.0305	185.0286	185.0323
3,4-dihydroxymandelate	C8 H8 O5	184.0372	185.0444	185.0426	185.0463
phosphorylcholine	C5 H15 N O4 P	184.0733	185.0806	185.0787	185.0824
3-methoxy-4-hydroxyphenylethyleneglycol	C9 H12 O4	184.0735	185.0808	185.0790	185.0827
3-P-serine	C3 H8 N O6 P	185.0083	186.0156	186.0138	186.0175
2-amino-3-carboxy-muconate semialdehyde	C7 H7 N O5	185.0324	186.0397	186.0378	186.0415
3-fumarylpyruvate	C7 H6 O6	186.0164	187.0237	187.0218	187.0256
ala-pro		186.1004	187.1077	187.1058	187.1096
thiohistidine	C6 H9 N3 O2 S	187.0415	188.0488	188.0469	188.0507
2-oxo-6-acetoamidocaproate	C8 H13 N O4	187.0844	188.0917	188.0898	188.0936
N2-acetylamino adipate semialdehyde	C8 H13 N O4	187.0844	188.0917	188.0898	188.0936
3-dehydroshikimate	C7 H8 O6	188.0321	189.0393	189.0374	189.0412
But-2-ene-1,2,3-tricarboxylate	C7 H8 O6	188.0321	189.0393	189.0374	189.0412
homo-cis-aconitate	C7 H8 O6	188.0321	189.0393	189.0374	189.0412
hyp-gly		188.0797	189.0870	189.0851	189.0888
N-acetyl-lysine	C8 H16 N2 O3	188.1161	189.1233	189.1215	189.1252
gly-leu		188.1161	189.1233	189.1215	189.1252
gly-ile		188.1161	189.1233	189.1215	189.1252
n,n-dimethyltryptamine	C12 H16 N2	188.1313	189.1386	189.1367	189.1405
N6,N6,N6-trimethyllysine	C9 H20 N2 O2 +	188.1525	189.1597	189.1578	189.1616
isocitric acid	C6 H5 O7	189.0035	190.0108	190.0089	190.0127
kynurenate	C10 H7 N O3	189.0426	190.0499	190.0480	190.0518
N-acetylisatin	C10 H7 N O3	189.0426	190.0499	190.0480	190.0518
2-amino-6-oxoheptanedioate	C7 H11 N O5	189.0637	190.0710	190.0691	190.0729
N-acetyl-glutamate	C7 H11 N O5	189.0637	190.0710	190.0691	190.0729
gly-gly-gly		189.0749	190.0822	190.0803	190.0841
gly-asn		189.0749	190.0822	190.0803	190.0841
oxalosuccinate	C6 H6 O7	190.0113	191.0186	191.0167	191.0205
2,4-dihydroxyhept-2-enedioate	C7 H10 O6	190.0477	191.0550	191.0531	191.0569
2-hydroxyhepta-2,4-dienedioate	C7 H10 O6	190.0477	191.0550	191.0531	191.0569
3-dehydroquinate	C7 H10 O6	190.0477	191.0550	191.0531	191.0569
N-carbamylglutamate	C6 H10 N2 O5	190.0589	191.0662	191.0643	191.0681
gly-asp		190.0589	191.0662	191.0643	191.0681
2,6-diaminoheptanedioate	C7 H14 N2 O4	190.0953	191.1026	191.1007	191.1045
ala-thr		190.0953	191.1026	191.1007	191.1045
N-(ω)-hydroxyarginine	C6 H14 N4 O3	190.1066	191.1138	191.1119	191.1157
5-methoxytryptamine	C11 H14 N2 O	190.1106	191.1179	191.1160	191.1198
N-methylserotonin	C11 H14 N2 O	190.1106	191.1179	191.1160	191.1198
5-hydroxy-indole acetate	C10 H9 N O3	191.0582	192.0655	192.0636	192.0674
citric acid	C6 H8 O7	192.0270	193.0342	193.0323	193.0362
2,3-dioxogulonate	C6 H8 O7	192.0270	193.0342	193.0323	193.0362
2-dehydro-3-deoxy-D-glucarate	C6 H8 O7	192.0270	193.0342	193.0323	193.0362

4,5,6-trihydroxy-2,3-dioxohexanoate	C6 H8 O7	192.0270	193.0342	193.0323	193.0362
5-dehydro-4-deoxy-D-glucarate	C6 H8 O7	192.0270	193.0342	193.0323	193.0362
ala-cys		192.0568	193.0641	193.0622	193.0660
quinate	C7 H12 O6	192.0634	193.0706	193.0687	193.0726
ser-ser		192.0746	193.0819	193.0799	193.0838
O-acetylcarnitine	C8 H18 N O4	192.1236	193.1308	193.1289	193.1328
5,6-dihydroxyindole-2-carboxylate	C9 H7 N O4	193.0375	194.0448	194.0428	194.0467
L-dopachrome	C9 H7 N O4	193.0375	194.0448	194.0428	194.0467
homocysteine (S-carboxymethyl)	C6 H11 N O4 S	193.0409	194.0481	194.0462	194.0501
phenylacetyl glycine	C10 H11 N O3	193.0739	194.0812	194.0792	194.0831
2-dehydro-gluconate	C6 H10 O7	194.0426	195.0499	195.0479	195.0518
3-dehydro-L-gulonate	C6 H10 O7	194.0426	195.0499	195.0479	195.0518
fructuronate	C6 H10 O7	194.0426	195.0499	195.0479	195.0518
galacturonate	C6 H10 O7	194.0426	195.0499	195.0479	195.0518
glucuronate	C6 H10 O7	194.0426	195.0499	195.0479	195.0518
1-O-methyl-myo-inositol	C7 H14 O6	194.0790	195.0863	195.0843	195.0882
3-O-methyl-myo-inositol	C7 H14 O6	194.0790	195.0863	195.0843	195.0882
caffeine	C8 H10 N4 O2	194.0804	195.0876	195.0857	195.0896
2-carboxy-2,3-dihydro-5,6-dihydroxyindole	C9 H9 N O4	195.0531	196.0604	196.0585	196.0624
dopaquinone	C9 H9 N O4	195.0531	196.0604	196.0585	196.0624
glucosamine	C6 H13 N O6	195.0743	196.0815	196.0796	196.0835
3-(3,4-dihydroxyphenyl) pyruvate	C9 H8 O5	196.0372	197.0444	197.0425	197.0464
altronate	C6 H12 O7	196.0583	197.0655	197.0636	197.0675
galactonate	C6 H12 O7	196.0583	197.0655	197.0636	197.0675
gluconate	C6 H12 O7	196.0583	197.0655	197.0636	197.0675
gulonate	C6 H12 O7	196.0583	197.0655	197.0636	197.0675
mannonate	C6 H12 O7	196.0583	197.0655	197.0636	197.0675
tagaturonate	C6 H10 O7	196.0583	197.0655	197.0636	197.0675
guanidino-acetate-P	C3 H8 N3 O5 P	197.0196	198.0268	198.0249	198.0288
dihydroxy-phenylalanine	C9 H11 N O4	197.0688	198.0761	198.0741	198.0780
L-Dopa	C9 H11 N O4	197.0688	198.0761	198.0741	198.0780
N-hydroxytyrosine	C9 H11 N O4	197.0688	198.0761	198.0741	198.0780
metanephrine	C10 H15 N O3	197.1052	198.1125	198.1105	198.1144
erythrose 4--P	C4 H7 O7 P	197.9924	198.9996	198.9976	199.0016
O-phosphohomoserine	C4 H9 N O6 P	198.0162	199.0234	199.0215	199.0254
3-(3,4-dihydroxyphenyl) lactate	C9 H10 O5	198.0528	199.0601	199.0581	199.0621
3-methoxy-4-hydroxy mandelate	C9 H10 O5	198.0528	199.0601	199.0581	199.0621
hercynine	C9 H16 N3 O2	198.1242	199.1315	199.1295	199.1335
2-hydroxy-5-carboxymethylmuconate	C8 H8 O6	200.0321	201.0393	201.0373	201.0413
4-maleylacetoacetate	C8 H8 O6	200.0321	201.0393	201.0373	201.0413
S-sulfocysteine	C3 H7 N O5 S2	200.9765	201.9838	201.9818	201.9858
5-hydroxy-2-oxo-4-ureido-2,5-dihydro-1H-imidazole-5-carboxylate	C5 H6 N4 O5	202.0338	203.0411	203.0390	203.0431

ser-pro		202.0953	203.1026	203.1006	203.1046
hyp-ala		202.0953	203.1026	203.1006	203.1046
ala-leu		202.1317	203.1390	203.1370	203.1410
ala-ile		202.1317	203.1390	203.1370	203.1410
spermine	C10 H26 N4	202.2157	203.2230	203.2210	203.2250
8-methoxykynurenate	C11 H9 N O3	203.0582	204.0655	204.0635	204.0675
N2-acetylaminoadipate	C8 H13 N O5	203.0793	204.0866	204.0846	204.0887
gly-gly-ala		203.0906	204.0979	204.0958	204.0999
gly-gln		203.0906	204.0979	204.0958	204.0999
ala-asn		203.0906	204.0979	204.0958	204.0999
gly-lys		203.1270	204.1342	204.1322	204.1363
oxaloglutarate	C7 H8 O7	204.0270	205.0342	205.0322	205.0363
1,4-dihydroxy-2-naphthoate	C11 H8 O4	204.0422	205.0495	205.0475	205.0516
indole pyruvate	C11H10 N O3	204.0661	205.0733	205.0713	205.0754
gly-glu		204.0746	205.0819	205.0798	205.0839
ala-asp		204.0746	205.0819	205.0798	205.0839
tryptophan	C11 H12 N2 O2	204.0899	205.0971	205.0951	205.0992
N6-acetyl-N6-hydroxylysine	C8 H16 N2 O4	204.1110	205.1183	205.1162	205.1203
bufotenine	C12 H16 N2 O	204.1263	205.1335	205.1315	205.1356
6-methoxykynurenate	C10 H7 N O4	205.0375	206.0448	206.0427	206.0468
thioctic acid amide	C8 H15 N O S2	205.0595	206.0668	206.0647	206.0688
5-methoxyindoleacetate	C11 H11 N O3	205.0739	206.0812	206.0791	206.0832
pantothenol	C9 H19 N O4	205.1314	206.1387	206.1366	206.1407
3-hydroxy-N6,N6,N6-trimethyllysine	C9 H21 N2 O3 +	205.1552	206.1625	206.1604	206.1645
3-oxolomalate	C6 H6 O8	206.0062	207.0135	207.0114	207.0156
2-methylcitrate	C7 H10 O7	206.0426	207.0499	207.0478	207.0520
homocitrate	C7 H10 O7	206.0426	207.0499	207.0478	207.0520
homoisocitrate	C7 H10 O7	206.0426	207.0499	207.0478	207.0520
lipoic acid	C8 H14 O2 S2	206.0435	207.0508	207.0487	207.0529
xanthurenate	C10 H8 N O4	206.0453	207.0526	207.0505	207.0547
gly-met		206.0725	207.0798	207.0777	207.0818
ser-thr		206.0902	207.0975	207.0954	207.0996
ibuprofen	C13 H18 O2	206.1307	207.1379	207.1359	207.1400
2-formaminobenzoylacetate	C10 H9 N O4	207.0531	208.0604	208.0583	208.0625
4-(2-aminophenyl)-2,4-dioxobutanoate	C10 H9 N O4	207.0531	208.0604	208.0583	208.0625
indole acetate	C10 H9 N O2	207.0531	208.0604	208.0583	208.0625
dihydrolipoamide	C8 H17 N O S2	207.0751	208.0824	208.0803	208.0845
N-acetylphenylalanine	C11 H13 N O3	207.0895	208.0968	208.0947	208.0989
ser-cys		208.0518	209.0590	209.0569	209.0611
dihydrolipoic acid	C8 H16 O2 S2	208.0592	209.0664	209.0643	209.0685
formyl-5-hydroxykynurenamine	C10 H12 N2 O3	208.0848	209.0920	209.0900	209.0941
kynurenine	C10 H12 N2 O3	208.0848	209.0920	209.0900	209.0941

4-hydroxyphenylacetyl-glycine	C10 H11 N O4	209.0688	210.0761	210.0740	210.0782
galactarate	C6 H10 O8	210.0375	211.0448	211.0427	211.0469
glucarate	C6 H10 O8	210.0375	211.0448	211.0427	211.0469
creatine-P	C4 H10 N3 O5 P	211.0352	212.0425	212.0404	212.0446
5-(2'-formylethyl)-4,6-dihydroxypicolinate	C9 H9 N O5	211.0480	212.0553	212.0532	212.0574
4-aspartyl-P	C4 H7 N O7 P	211.9954	213.0027	213.0006	213.0048
isophenoxazine	C12 H8 N2 O2	212.0586	213.0658	213.0637	213.0680
gly-his		212.0909	213.0982	213.0961	213.1003
pro-pro		212.1161	213.1233	213.1212	213.1255
indoxylsulfuric acid	C8 H7 N O4 S	213.0096	214.0168	214.0147	214.0190
1-deoxy xylulose 5-phosphate	C5 H11 O7 P	214.0237	215.0309	215.0288	215.0331
2-deoxyribose 1-phosphate	C5 H11 O7 P	214.0237	215.0309	215.0288	215.0331
2-deoxy-ribose-5-phosphate	C5 H11 O7 P	214.0237	215.0309	215.0288	215.0331
glutamyl-P	C4 H10 N O7 P	215.0189	216.0262	216.0240	216.0283
glycero-3-phosphoethanolamine	C5 H14 N O6 P	215.0553	216.0626	216.0604	216.0647
5-carboxy-2-oxohept-3-enedioate	C8 H8 O7	216.0270	217.0342	217.0321	217.0364
5-carboxymethyl-2-hydroxymuconate	C8 H8 O7	216.0270	217.0342	217.0321	217.0364
gly-val		216.1096	217.1169	217.1147	217.1191
pro-thr		216.1110	217.1183	217.1161	217.1204
3-methylindolepyruvate	C12 H11 N O3	217.0739	218.0812	218.0790	218.0833
gly-ala-ala		217.1062	218.1135	218.1113	218.1157
ala-gln		217.1062	218.1135	218.1113	218.1157
ala-lys		217.1426	218.1499	218.1477	218.1521
pro-cys		218.0725	219.0798	219.0776	219.0820
ala-glu		218.0902	219.0975	219.0953	219.0997
hyp-ser		218.0902	219.0975	219.0953	219.0997
N-acetylserotonin	C12 H14 N2 O2	218.1055	219.1128	219.1106	219.1150
lysopine	C9 H18 N2 O4	218.1266	219.1339	219.1317	219.1361
ser-leu		218.1266	219.1339	219.1317	219.1361
ser-ile		218.1266	219.1339	219.1317	219.1361
histidinol-P	C6 H10 N3 O4 P	219.0403	220.0476	220.0454	220.0498
5-hydroxyindolepyruvate	C11 H9 N O4	219.0531	220.0604	220.0582	220.0626
O-succinylhomoserine	C8 H13 N O6	219.0743	220.0815	220.0793	220.0837
gly-gly-ser		219.0855	220.0928	220.0906	220.0950
ser-asn		219.0855	220.0928	220.0906	220.0950
pantothenic acid	C9 H17 N O5	219.1106	220.1179	220.1157	220.1201
imidazole acetol-P	C6 H9 N2 O5 P	220.0243	221.0316	221.0294	221.0338
ser-asp		220.0695	221.0768	221.0746	221.0790
N-acetylmannosamine	C8 H15 N O6	220.0821	221.0894	221.0871	221.0916
5-hydroxytryptophan	C11 H12 N2 O3	220.0848	221.0920	221.0898	221.0943
N-formulkynurenine	C11 H12 N2 O4	220.0848	221.0920	221.0898	221.0943
ala-met		220.0881	221.0954	221.0932	221.0976

thr-thr		220.1059	221.1132	221.1110	221.1154
7,8-dihydroxykynurenate	C10 H7 N O5	221.0324	222.0397	222.0375	222.0419
6-hydroxyindolelactate	C11 H11 N O4	221.0688	222.0761	222.0738	222.0783
indolyl-3-lactic acid	C11 H11 N O4	221.0688	222.0761	222.0738	222.0783
N-acetyl glucosamine	C8 H15 N O6	221.0899	222.0972	222.0950	222.0994
2-succinylbenzoate	C11 H10 O5	222.0528	223.0601	223.0578	223.0623
cystathionine	C7 H14 N2 O4 S	222.0674	223.0747	223.0724	223.0769
thr-cys		222.0674	223.0747	223.0724	223.0769
gly-phe		222.1004	223.1077	223.1055	223.1099
4-(2-amino-3-hydroxyphenyl)-2,4-dioxobutanoate	C10 H9 N O5	223.0480	224.0553	224.0531	224.0576
4(2-amino-5-hydroxyphenyl)-2,4-dioxobutanoate	C10 H9 N O5	223.0480	224.0553	224.0531	224.0576
7,8-dihydro-7,8-dihydroxykynurenate	C10 H9 N O5	223.0480	224.0553	224.0531	224.0576
cys-cys		224.0289	225.0362	225.0339	225.0384
3-hydroxy-kynurenine	C10 H12 N2 O4	224.0797	225.0870	225.0847	225.0892
5-hydroxykynurenine	C10 H12 N2 O4	224.0797	225.0870	225.0847	225.0892
chorismate	C10 H10 O6	226.0477	227.0550	227.0527	227.0573
isochorismate	C10 H10 O6	226.0477	227.0550	227.0527	227.0573
prephenate	C10 H10 O6	226.0477	227.0550	227.0527	227.0573
porphobilinogen	C10 H14 N2 O4	226.0953	227.1026	227.1003	227.1049
carosine	C9 H14 N4 O3	226.1066	227.1138	227.1116	227.1161
ala-his		226.1066	227.1138	227.1116	227.1161
serine phosphoethanolamine	C5 H13 N2 O6 P	227.0427	228.0500	228.0477	228.0523
5-(2'-carboxyethyl)-4,6-dihydroxypicolinate	C9 H9 N O6	227.0430	228.0502	228.0480	228.0525
stizolobinate	C9 H9 N O6	227.0430	228.0502	228.0480	228.0525
2'-deoxy-cytidine	C9 H13 N3 O4	227.0906	228.0979	228.0956	228.1001
(4-aminophenyl)-1,2,3,4-tetrahydroxypentane	C11 H17 N O4	227.1157	228.1230	228.1207	228.1253
ribose 5-P	C5 H9 O8 P	228.0029	229.0102	229.0079	229.0125
ribulose 5-P	C5 H9 O8 P	228.0029	229.0102	229.0079	229.0125
xylulose 5-P	C5 H9 O8 P	228.0029	229.0102	229.0079	229.0125
deoxyuridine	C9 H12 N2 O5	228.0746	229.0819	229.0796	229.0842
hyp-pro		228.1110	229.1183	229.1160	229.1205
pro-leu		228.1474	229.1546	229.1524	229.1569
pro-ile		228.1474	229.1546	229.1524	229.1569
4-(alanin-3-yl)-2-hydroxy-cis,cis-muconate 6-semialdehyde	C9 H11 N O6	229.0586	230.0659	230.0636	230.0682
5-(alanin-3-yl)-2-hydroxy-cis,cis-muconate 6-semialdehyde	C9 H11 N O6	229.0586	230.0659	230.0636	230.0682
ergothioneine	C9 H15 N3 O2 S	229.0885	230.0958	230.0935	230.0981
gly-gly-pro		229.1062	230.1135	230.1112	230.1158
pro-asn		229.1062	230.1135	230.1112	230.1158
ribose 1-phosphate	C5 H11 O8 P	230.0186	231.0258	231.0235	231.0282
xylulose 1-P	C5 H11 O8 P	230.0186	231.0258	231.0235	231.0282

α-xylose 1-phosphate	C5 H11 O8 P	230.0186	231.0258	231.0235	231.0282
pro-asp		230.0902	231.0975	231.0952	231.0998
ala-val		230.1253	231.1326	231.1302	231.1349
N-succinylglutamate 5-semialdehyde	C9 H13 N O6	231.0743	232.0815	232.0792	232.0839
ala-ala-ala		231.1219	232.1292	232.1268	232.1315
gly-arg		231.1331	232.1404	232.1381	232.1427
ribitol-5-phosphate	C5 H13 O8 P	232.0342	233.0415	233.0392	233.0438
N2-succinylornithine	C9 H16 N2 O5	232.1059	233.1132	233.1108	233.1155
N6-acetyl-2,6-diaminoheptanedioate	C9 H16 N2 O5	232.1059	233.1132	233.1108	233.1155
hyp-thr		232.1059	233.1132	233.1108	233.1155
melatonin	C13 H16 N2 O2	232.1212	233.1284	233.1261	233.1308
thr-leu		232.1423	233.1496	233.1472	233.1519
thr-ile		232.1423	233.1496	233.1472	233.1519
gly-gly-thr		233.1011	234.1084	234.1061	234.1108
gly-ala-ser		233.1011	234.1084	234.1061	234.1108
ser-gln		233.1011	234.1084	234.1061	234.1108
thr-asn		233.1011	234.1084	234.1061	234.1108
ser-lys		233.1375	234.1448	234.1425	234.1471
hyp-cys		234.0674	235.0747	235.0723	235.0770
ser-glu		234.0852	235.0924	235.0901	235.0948
thr-asp		234.0852	235.0924	235.0901	235.0948
cys-leu		234.1038	235.1111	235.1087	235.1134
cys-ile		234.1038	235.1111	235.1087	235.1134
gly-gly-cys		235.0626	236.0699	236.0676	236.0723
cys-asn		235.0626	236.0699	236.0676	236.0723
D-erythro-imidazole-glycerol-P	C6 H9 N2 O6 P	236.0192	237.0265	237.0241	237.0289
cys-asp		236.0467	237.0539	237.0516	237.0563
formylkynurenine	C11 H12 N2 O4	236.0797	237.0870	237.0846	237.0893
ser-met		236.0831	237.0903	237.0880	237.0927
ala-phe		236.1161	237.1233	237.1210	237.1257
6-pyruvoyltetrahydropterin	C9 H11 N5 O3	237.0862	238.0934	238.0911	238.0958
erythro-1-(imidazol-4-yl) glycerol 3-phospahte	C6 H11 N2 O6 P	238.0349	239.0422	239.0398	239.0446
gly-tyr		238.0953	239.1026	239.1002	239.1050
5-P-β-ribosylamine	C6 H10 N O7 P	239.0189	240.0262	240.0238	240.0286
cystine	C6 H12 N2 O4 S2	240.0238	241.0311	241.0287	241.0335
homocarnosine	C10 H16 N4 O3	240.1222	241.1295	241.1271	241.1319
anserine	C10 H16 N4 O3	240.1222	241.1295	241.1271	241.1319
16-hexadecanal	C16 H32 O	240.2453	241.2526	241.2502	241.2550
diphosphoglyceric acid	C3 H3 O10 P2	241.0006	242.0079	242.0055	242.0103
5,6,7,8-tetrahydrobiopterin	C9 H15 N5 O3	241.1175	242.1247	242.1223	242.1272
2,3-diketo-5-methylthiopentyl-1-phosphate	C6 H11 O6 S P	242.0008	243.0081	243.0057	243.0105
2-hydroxy-3-keto-5-methylthiopenteny-1-phosphate	C6 H11 O6 S P	242.0008	243.0081	243.0057	243.0105

5-phosphono-oxy-lysine	C6 H15 N2 O6 P	242.0662	243.0735	243.0710	243.0759
thymidine	C10 H14 N2 O5	242.0902	243.0975	243.0951	243.0999
ser-his		242.1015	243.1087	243.1063	243.1112
16-hexadecanol	C16 H34 O	242.2610	243.2682	243.2658	243.2707
cytidine	C9 H13 N3 O5	243.0855	244.0928	244.0903	244.0952
gly-ala-pro		243.1219	244.1292	244.1267	244.1316
pro-gln		243.1219	244.1292	244.1267	244.1316
pro-lys		243.1583	244.1655	244.1631	244.1680
fucose-1P	C6 H13 O8 P	244.0342	245.0415	245.0390	245.0439
fuculose-1P	C6 H13 O8 P	244.0342	245.0415	245.0390	245.0439
mevalonate-5-P	C6 H13 O8 P	244.0342	245.0415	245.0390	245.0439
rhamnulose-1P	C6 H13 O8 P	244.0342	245.0415	245.0390	245.0439
pseudouridine	C9 H12 N2 O6	244.0695	245.0768	245.0743	245.0792
uridine	C9 H12 N2 O6	244.0695	245.0768	245.0743	245.0792
biotin	C10 H16 N2 O3 S	244.0881	245.0954	245.0930	245.0979
pro-glu		244.1059	245.1132	245.1107	245.1156
hyp-hyp		244.1059	245.1132	245.1107	245.1156
hyp-leu		244.1423	245.1496	245.1471	245.1520
hyp-ile		244.1423	245.1496	245.1471	245.1520
leu-leu		244.1787	245.1859	245.1835	245.1884
leu-ile		244.1787	245.1859	245.1835	245.1884
ile-ile		244.1787	245.1859	245.1835	245.1884
hyp-asn		245.1011	246.1084	246.1060	246.1109
gly-gly-leu		245.1375	246.1448	246.1423	246.1473
gly-gly-ile		245.1375	246.1448	246.1423	246.1473
leu-asn		245.1375	246.1448	246.1423	246.1473
ile-asn		245.1375	246.1448	246.1423	246.1473
ala-arg		245.1488	246.1560	246.1536	246.1585
dimethylallyl-PP	C5 H12 O7 P2	246.0047	247.0120	247.0095	247.0144
isopentenyl-PP	C5 H12 O7 P2	246.0047	247.0120	247.0095	247.0144
phosphatidyl glycerol	C6 H15 O8 P	246.0499	247.0571	247.0547	247.0596
hyp-asp		246.0852	247.0924	247.0900	247.0949
gly-gly-asn		246.0964	247.1037	247.1012	247.1061
asn-asn		246.0964	247.1037	247.1012	247.1061
pro-met		246.1038	247.1111	247.1086	247.1135
ser-val		246.1202	247.1275	247.1250	247.1299
leu-asp		246.1215	247.1288	247.1263	247.1313
ile-asp		246.1215	247.1288	247.1263	247.1313
octopine	C9 H18 N4 O4	246.1328	247.1400	247.1376	247.1425
2-C-methyl erythritol 4-phosphate	C5 H13 O9 P	247.0213	248.0286	248.0261	248.0311
N-succinylglutamate	C9 H13 N O7	247.0692	248.0764	248.0740	248.0789
gly-gly-asp		247.0804	248.0877	248.0852	248.0902

asn-asp		247.0804	248.0877	248.0852	248.0902
gly-ala-thr		247.1168	248.1241	248.1216	248.1265
ala-ala-ser		247.1168	248.1241	248.1216	248.1265
thr-gln		247.1168	248.1241	248.1216	248.1265
thr-lys		247.1532	248.1605	248.1580	248.1629
asp-asp		248.0644	249.0717	249.0692	249.0742
5-hydroxyindoleacetyl-glycine	C12 H12 N2 O4	248.0797	249.0870	249.0845	249.0894
thr-glu		248.1008	249.1081	249.1056	249.1106
6-hydroxymelatonin	C13 H16 N2 O3	248.1161	249.1233	249.1209	249.1258
abscisic aldehyde	C15 H20 O3	248.1412	249.1485	249.1460	249.1510
linatine	C10 H7 N3 O5	249.0385	250.0458	250.0433	250.0483
gly-ala-cys		249.0783	250.0856	250.0831	250.0881
cys-gln		249.0783	250.0856	250.0831	250.0881
6-S-Acetyldihydrolipoamide	C10 H19 N O2 S2	249.0857	250.0930	250.0905	250.0955
gly-ser-ser		249.0960	250.1033	250.1008	250.1058
cys-lys		249.1147	250.1220	250.1195	250.1245
cys-glu		250.0623	251.0696	251.0671	251.0721
γ-glutamylcysteine	C8 H14 N2 O5 S	250.0623	251.0696	251.0671	251.0721
thr-met		250.0987	251.1060	251.1035	251.1085
abscisic alcohol	C15 H22 O3	250.1569	251.1642	251.1616	251.1667
xanthoxin	C15 H22 O3	250.1569	251.1642	251.1616	251.1667
deoxyadenosine	C10 H13 N5 O3	251.1018	252.1091	252.1066	252.1116
shikimate-5-P	C7 H9 O8 P	252.0029	253.0102	253.0077	253.0127
cys-met		252.0602	253.0675	253.0650	253.0700
5-hydroxy-N-formylkynurenine	C11 H12 N2 O5	252.0746	253.0819	253.0793	253.0844
deoxyinosine	C10 H12 N4 O4	252.0858	253.0931	253.0906	253.0956
ala-tyr		252.1110	253.1183	253.1157	253.1208
ser-phe		252.1110	253.1183	253.1157	253.1208
pro-his		252.1222	253.1295	253.1270	253.1320
5-(3'-carboxy-3'-oxopropenyl)-4,6-dihydroxypicolinate	C10 H7 N O7	253.0222	254.0295	254.0270	254.0320
N-acetyl-glutamyl-P	C7 H12 N O7 P	253.0346	254.0418	254.0393	254.0444
cysteine-homocystein disulfide	C7 H14 N2 O4 S2	254.0395	255.0467	255.0442	255.0493
arginine-P	C6 H15 N4 O5 P	254.0774	255.0847	255.0821	255.0872
galactosylglycerol	C9 H18 O8	254.1001	255.1074	255.1049	255.1100
5-(3'-carboxy-3'-oxopropyl)-4,6-dihydroxypicolinate	C10 H9 N O7	255.0379	256.0451	256.0426	256.0477
2-amino-4-hydroxy-6-(erythro)-trihydroxypropyl-dihydropteridine	C9 H13 N5 O4	255.0967	256.1040	256.1014	256.1066
2-dehydro-3-deoxy-6-P-gluconate	C6 H9 O9 P	255.9978	257.0051	257.0025	257.0077
6-P glucono-1,5-lactone	C6 H9 O9 P	255.9978	257.0051	257.0025	257.0077
thr-his		256.1171	257.1244	257.1218	257.1270
pro-val		256.1409	257.1482	257.1456	257.1508

palmitic acid	C16 H32 O2	256.2402	257.2475	257.2449	257.2501
glucosamine 6-P	C6 H12 N O8 P	257.0295	258.0367	258.0342	258.0393
ala-ala-pro		257.1375	258.1448	258.1422	258.1474
2-dehydro-3-dexoy galactonate 6-P	C6 H11 O9 P	258.0135	259.0208	259.0182	259.0233
2-deoxy-5-keto gluconic acid 6-phosphate	C6 H11 O9 P	258.0135	259.0208	259.0182	259.0233
3-oxo-6-P-hexulose	C6 H11 O9 P	258.0135	259.0208	259.0182	259.0233
fructose 6-P	C6 H11 O9 P	258.0135	259.0208	259.0182	259.0233
galactose 1-P	C6 H11 O9 P	258.0135	259.0208	259.0182	259.0233
glucose 1-P	C6 H11 O9 P	258.0135	259.0208	259.0182	259.0233
glucose 6-P	C6 H11 O9 P	258.0135	259.0208	259.0182	259.0233
inositol 1-P	C6 H11 O9 P	258.0135	259.0208	259.0182	259.0233
Mannose 6-P	C6 H11 O9 P	258.0135	259.0208	259.0182	259.0233
β-fructose 1-P	C6 H11 O9 P	258.0135	259.0208	259.0182	259.0233
cys-his		258.0786	259.0859	259.0833	259.0885
(1-ribosylimidazole)-4-acetate	C10 H14 N2 O6	258.0852	259.0924	259.0898	259.0950
1-glycero-3-phosphocholine	C8 H21 N O6 P	258.1101	259.1173	259.1148	259.1199
S-methyl-5-thioribulose 1-phosphate	C6 H13 O7 S P	259.0036	260.0108	260.0082	260.0134
glucosamine 1-phosphate	C6 H14 N O8 P	259.0451	260.0524	260.0498	260.0550
gly-ser-pro		259.1168	260.1241	260.1215	260.1267
hyp-gln		259.1168	260.1241	260.1215	260.1267
gly-ala-leu		259.1532	260.1605	260.1579	260.1631
gly-ala-ile		259.1532	260.1605	260.1579	260.1631
leu-gln		259.1532	260.1605	260.1579	260.1631
ile-gln		259.1532	260.1605	260.1579	260.1631
hyp-lys		259.1532	260.1605	260.1579	260.1631
leu-lys		259.1896	260.1968	260.1942	260.1994
ile-lys		259.1896	260.1968	260.1942	260.1994
S-methyl-5-thioribose 1-phosphate	C6 H13 O7 S P	260.0114	261.0187	261.0160	261.0213
arabino-3-hexulose 6-phosphate	C6 H13 O9 P	260.0291	261.0364	261.0338	261.0390
inositol 3-phosphate	C6 H13 O9 P	260.0291	261.0364	261.0338	261.0390
inositol 4-phosphate	C6 H13 O9 P	260.0291	261.0364	261.0338	261.0390
tagatose 6-phosphate	C6 H13 O9 P	260.0291	261.0364	261.0338	261.0390
hyp-glu		260.1008	261.1081	261.1055	261.1107
gly-gly-gln		260.1120	261.1193	261.1167	261.1219
gly-ala-asn		260.1120	261.1193	261.1167	261.1219
asn-gln		260.1120	261.1193	261.1167	261.1219
thr-val		260.1358	261.1431	261.1405	261.1457
leu-glu		260.1372	261.1445	261.1419	261.1471
ile-glu		260.1372	261.1445	261.1419	261.1471
gly-gly-lys		260.1484	261.1557	261.1531	261.1583
asn-lys		260.1484	261.1557	261.1531	261.1583
gly-gly-glu		261.0960	262.1033	262.1007	262.1059
gly-ala-asp		261.0960	262.1033	262.1007	262.1059

asn-glu		261.0960	262.1033	262.1007	262.1059
asp-gln		261.0960	262.1033	262.1007	262.1059
gly-try		261.1186	262.1259	262.1232	262.1285
ala-ala-thr		261.1324	262.1397	262.1371	262.1423
asp-lys		261.1324	262.1397	262.1371	262.1423
ser-arg		261.1437	262.1509	262.1483	262.1536
1,3-diphosphoglycerate	C3 H4 O10 P2	261.9268	262.9341	262.9315	262.9367
2,3-diphosphoglycerate	C3 H4 O10 P2	261.9268	262.9341	262.9315	262.9367
1-hydroxy-2-methyl-2butenyl 4-diphosphate	C5 H12 O8 P2	261.9996	263.0069	263.0042	263.0095
galactitol 1-phosphate	C6 H15 O9 P	262.0448	263.0521	263.0494	263.0547
asp-glu		262.0801	263.0873	263.0847	263.0900
cys-val		262.0974	263.1046	263.1020	263.1073
hyp-met		262.0987	263.1060	263.1033	263.1086
pro-phe		262.1317	263.1390	263.1364	263.1416
leu-met		262.1351	263.1424	263.1397	263.1450
ile-met		262.1351	263.1424	263.1397	263.1450
gly-gly-met		263.0939	264.1012	264.0986	264.1039
ala-ala-cys		263.0939	264.1012	264.0986	264.1039
asn-met		263.0939	264.1012	264.0986	264.1039
gly-ser-thr		263.1117	264.1190	264.1163	264.1216
ala-ser-ser		263.1117	264.1190	264.1163	264.1216
asp-met		264.0780	265.0852	265.0826	265.0879
thiamine	C12 H16 N4 O S	264.1045	265.1117	265.1091	265.1144
formyl-N-acetyl-5-methoxykynurenamine	C13 H16 N2 O4	264.1110	265.1183	265.1156	265.1209
phenylacetylglutamine	C13 H16 N2 O4	264.1110	265.1183	265.1156	265.1209
gly-ser-cys		265.0732	266.0805	266.0778	266.0831
thr-phe		266.1266	267.1339	267.1312	267.1366
xanthoxic acid	C15 H22 O4	266.1518	267.1591	267.1564	267.1617
S-ribosyl homocysteine	C9 H17 N O6 S	267.0776	268.0849	268.0822	268.0876
neuraminic acid	C9 H17 N O8	267.0954	268.1027	268.1000	268.1053
deoxyguanosine	C10 H13 N5 O4	267.0967	268.1040	268.1013	268.1067
homocystine	C8 H16 N2 O4 S2	268.0551	269.0624	269.0597	269.0651
inosine	C10 H12 N4 O5	268.0807	269.0880	269.0853	269.0907
xanthosine	C10 H12 N4 O5	268.0807	269.0880	269.0853	269.0907
cys-phe		268.0881	269.0954	269.0927	269.0981
ser-tyr		268.1059	269.1132	269.1105	269.1159
hyp-his		268.1171	269.1244	269.1217	269.1271
leu-his		268.1535	269.1608	269.1581	269.1635
ile-his		268.1535	269.1608	269.1581	269.1635
N-acetylglutamate 5-phosphate	C7 H12 N O8 P	269.0295	270.0367	270.0340	270.0394
gly-gly-his		269.1124	270.1196	270.1169	270.1223
asn-his		269.1124	270.1196	270.1169	270.1223

pro-gly-pro		269.1375	270.1448	270.1421	270.1475
genistein	C15 H10 O5	270.0528	271.0601	271.0574	271.0628
lombricine	C6 H15 N4 O6 P	270.0723	271.0796	271.0769	271.0823
asp-his		270.0964	271.1037	271.1009	271.1064
estrone	C18 H22 O2	270.1620	271.1692	271.1665	271.1720
retinol	C20 H30 O	270.2348	271.2420	271.2393	271.2447
pro-arg		271.1644	272.1717	272.1690	272.1744
Galacturonate 1-P	C6 H9 O10 P	271.9927	273.0000	272.9973	273.0027
glucuronate 1-P	C6 H9 O10 P	271.9927	273.0000	272.9973	273.0027
arbutin	C12 H16 O7	272.0896	273.0968	273.0941	273.0996
hyp-val		272.1358	273.1431	273.1404	273.1458
leu-val		272.1722	273.1795	273.1768	273.1822
ile-val		272.1722	273.1795	273.1768	273.1822
estradiol-17β	C18 H24 O2	272.1776	273.1849	273.1822	273.1876
gly-gly-val		273.1311	274.1384	274.1356	274.1411
asn-val		273.1311	274.1384	274.1356	274.1411
gly-pro-thr		273.1324	274.1397	274.1370	274.1425
ala-ser-pro		273.1324	274.1397	274.1370	274.1425
ala-ala-leu		273.1688	274.1761	274.1734	274.1788
ala-ala-ile		273.1688	274.1761	274.1734	274.1788
6-phospho-2-dehydrogluconate	C6 H11 O10 P	274.0084	275.0157	275.0129	275.0184
β-arabinose 1-phosphate	C6 H11 O10 P	274.0084	275.0157	275.0129	275.0184
asp-val		274.1151	275.1224	275.1196	275.1251
N2-succinylarginine	C10 H18 N4 O5	274.1277	275.1350	275.1322	275.1377
gly-ala-gln		274.1277	275.1350	275.1322	275.1377
ala-ala-asn		274.1277	275.1350	275.1322	275.1377
gln-gln		274.1277	275.1350	275.1322	275.1377
gly-ala-lys		274.1641	275.1713	275.1686	275.1741
gln-lys		274.1641	275.1713	275.1686	275.1741
lys-lys		274.2005	275.2077	275.2050	275.2105
3-dehydro gulonate 6-phosphate	C6 H12 O10 P	275.0162	276.0235	276.0207	276.0262
6-P-gluconate	C6 H12 O10 P	275.0162	276.0235	276.0207	276.0262
gly-pro-cys		275.0939	276.1012	276.0985	276.1040
gly-ala-glu		275.1117	276.1190	276.1162	276.1217
ala-ala-asp		275.1117	276.1190	276.1162	276.1217
gln-glu		275.1117	276.1190	276.1162	276.1217
ala-try		275.1342	276.1415	276.1388	276.1443
gly-ser-leu		275.1481	276.1554	276.1526	276.1581
gly-ser-ile		275.1481	276.1554	276.1526	276.1581
lys-glu		275.1481	276.1554	276.1526	276.1581
thr-arg		275.1593	276.1666	276.1638	276.1694
glu-glu		276.0957	277.1030	277.1002	277.1058

gly-ser-asn		276.1069	277.1142	277.1114	277.1170
saccharopine	C11 H20 N2 O6	276.1321	277.1394	277.1366	277.1421
gly-ser-asp		277.0910	278.0982	278.0955	278.1010
gly-ala-met		277.1096	278.1169	278.1141	278.1197
gln-met		277.1096	278.1169	278.1141	278.1197
S-(2-methylpropanoyl)-dihydrolipoamide	C12 H23 N O2 S2	277.1170	278.1243	278.1215	278.1271
cys-arg		277.1208	278.1281	278.1253	278.1309
gly-thr-thr		277.1273	278.1346	278.1318	278.1374
ala-ser-thr		277.1273	278.1346	278.1318	278.1374
lys-met		277.1460	278.1533	278.1505	278.1560
2-C-methyl erythritol 2,4-cyclodiphosphate	C5 H12 O9 P2	277.9945	279.0018	278.9990	279.0046
glu-met		278.0936	279.1009	279.0981	279.1037
α-ribazole	C14 H18 N2 O4	278.1266	279.1339	279.1311	279.1367
pro-tyr		278.1266	279.1339	279.1311	279.1367
hyp-phe		278.1266	279.1339	279.1311	279.1367
pantetheine	C11 H22 N2 O4 S	278.1300	279.1373	279.1345	279.1401
leu-phe		278.1630	279.1703	279.1675	279.1731
ile-phe		278.1630	279.1703	279.1675	279.1731
crepenynate	C18 H30 O2	278.2246	279.2318	279.2291	279.2346
γ-linolenic acid	C18 H30 O2	278.2246	279.2318	279.2291	279.2346
gly-thr-cys		279.0889	280.0961	280.0933	280.0989
ala-ser-cys		279.0889	280.0961	280.0933	280.0989
ser-ser-ser		279.1066	280.1139	280.1111	280.1167
gly-gly-phe		279.1219	280.1292	280.1264	280.1320
asn-phe		279.1219	280.1292	280.1264	280.1320
met-met		280.0915	281.0988	281.0960	281.1016
asp-phe		280.1059	281.1132	281.1104	281.1160
9-cis,11-trans-octadecadienoate	C18 H32 O2	280.2402	281.2475	281.2447	281.2503
linoleic acid	C18 H32 O2	280.2402	281.2475	281.2447	281.2503
gly-cys-cys		281.0504	282.0576	282.0548	282.0605
4-hydroxyphenylacetylglutamine	C13 H15 N O6	281.0899	282.0972	282.0944	282.1000
indican	C13 H16 N O6	282.0977	283.1050	283.1022	283.1078
thr-tyr		282.1215	283.1288	283.1260	283.1316
cis-vaccenate	C18 H34 O2	282.2559	283.2631	283.2603	283.2660
N2-acetylaminoadipyl-γ-phosphate	C8 H14 N O8 P	283.0451	284.0524	284.0495	284.0552
guanosine	C10 H13 N5 O5	283.0916	284.0989	284.0961	284.1017
gly-ala-his		283.1280	284.1353	284.1325	284.1381
gln-his		283.1280	284.1353	284.1325	284.1381
ala-pro-pro		283.1532	284.1605	284.1576	284.1633
lys-his		283.1644	284.1717	284.1688	284.1745
5-P ribosylglycinamide (GAR)	C7 H13 N2 O8 P	284.0404	285.0476	285.0448	285.0505
cys-tyr		284.0831	285.0903	285.0875	285.0932

glu-his		284.1120	285.1193	285.1165	285.1222
11-cis-retinal	C20 H28 O	284.2140	285.2213	285.2184	285.2241
all-trans-retinal	C20 H28 O	284.2140	285.2213	285.2184	285.2241
gly-pro-leu		285.1688	286.1761	286.1732	286.1790
gly-pro-ile		285.1688	286.1761	286.1732	286.1790
7P-2-dehydro-3-dexoyarabionheptonate	C7 H11 O10 P	286.0084	287.0157	287.0128	287.0185
(3-indolyl)-glycerol-P	C11 H13 N O6 P	286.0475	287.0547	287.0519	287.0576
salicin	C13 H18 O7	286.1052	287.1125	287.1096	287.1154
met-his		286.1099	287.1172	287.1143	287.1201
gly-pro-asn		286.1277	287.1350	287.1321	287.1378
16 α -hydroxyestrone	C18 H22 O3	286.1569	287.1642	287.1613	287.1670
2-hydroxyestrone	C18 H22 O3	286.1569	287.1642	287.1613	287.1670
androst-4-ene-3,17-dione	C19 H26 O2	286.1933	287.2005	287.1977	287.2034
all-trans-retinol	C20 H30 O	286.2297	287.2369	287.2341	287.2398
indoleglycerol	C11 H14 N O6 P	287.0553	288.0626	288.0597	288.0654
gly-pro-asp		287.1117	288.1190	288.1161	288.1219
gly-ala-val		287.1467	288.1540	288.1511	288.1569
gln-val		287.1467	288.1540	288.1511	288.1569
ala-pro-thr		287.1481	288.1554	288.1525	288.1582
hyp-arg		287.1593	288.1666	288.1637	288.1695
lys-val		287.1831	288.1904	288.1875	288.1933
leu-arg		287.1957	288.2030	288.2001	288.2059
ile-arg		287.1957	288.2030	288.2001	288.2059
dehydroepiandrosterone	C19 H27 O2	287.2011	288.2084	288.2055	288.2113
2-dehydro-3-deoxy-arabino-heptonate 7-phosphate	C7 H13 O10 P	288.0240	289.0313	289.0284	289.0342
glu-val		288.1308	289.1380	289.1351	289.1409
ala-ala-gln		288.1433	289.1506	289.1477	289.1535
gly-gly-arg		288.1546	289.1618	289.1589	289.1647
asn-arg		288.1546	289.1618	289.1589	289.1647
2-hydroxyestradiol-17 β	C18 H24 O3	288.1725	289.1798	289.1769	289.1827
6 β -hydroxyestradiol-17 β	C18 H24 O3	288.1725	289.1798	289.1769	289.1827
estriol	C18 H24 O3	288.1725	289.1798	289.1769	289.1827
ala-ala-lys		288.1797	289.1870	289.1841	289.1899
3 β ,17 β -dihydroxyandrost-5-ene	C19 H28 O2	288.2089	289.2162	289.2133	289.2191
5 β -androstane-3,17-dione	C19 H28 O2	288.2089	289.2162	289.2133	289.2191
androstanedione	C19 H28 O2	288.2089	289.2162	289.2133	289.2191
testosterone	C19 H28 O2	288.2089	289.2162	289.2133	289.2191
N-succinyl-2-amino-6-oxopimelate	C11 H15 N O8	289.0797	290.0870	290.0841	290.0899
cys-ala-pro		289.1096	290.1169	290.1140	290.1198
ala-ala-glu		289.1273	290.1346	290.1317	290.1375
ser-ser-pro		289.1273	290.1346	290.1317	290.1375
asp-arg		289.1386	290.1459	290.1430	290.1488

gly-thr-leu		289.1637	290.1710	290.1681	290.1739
gly-thr-ile		289.1637	290.1710	290.1681	290.1739
ala-ser-leu		289.1637	290.1710	290.1681	290.1739
ala-ser-ile		289.1637	290.1710	290.1681	290.1739
sedoheptulose 7-P	C7 H15 O10 P	290.0397	291.0470	291.0441	291.0499
N-succinyl-2,6-diaminopimelate	C11 H18 N2 O7	290.1114	291.1186	291.1157	291.1215
arginosuccinic acid	C10 H18 N4 O6	290.1226	291.1299	291.1270	291.1328
N-(arginino) succinate	C10 H18 N4 O6	290.1226	291.1299	291.1270	291.1328
gly-ser-gln		290.1226	291.1299	291.1270	291.1328
gly-thr-asn		290.1226	291.1299	291.1270	291.1328
ala-ser-asn		290.1226	291.1299	291.1270	291.1328
met-val		290.1287	291.1359	291.1330	291.1388
gly-ser-lys		290.1590	291.1663	291.1633	291.1692
2-methoxyestradiol-17β	C18 H26 O3	290.1882	291.1955	291.1925	291.1984
3α-hydroxy-5β-androstan-17-one	C19 H30 O2	290.2246	291.2318	291.2289	291.2348
5β-dihydrotestosterone	C19 H30 O2	290.2246	291.2318	291.2289	291.2348
androstanolone	C19 H30 O2	290.2246	291.2318	291.2289	291.2348
Androstenediol	C19 H30 O2	290.2246	291.2318	291.2289	291.2348
gly-ser-glu		291.1066	292.1139	292.1110	292.1168
gly-thr-asp		291.1066	292.1139	292.1110	292.1168
ala-ser-asp		291.1066	292.1139	292.1110	292.1168
gly-cys-leu		291.1252	292.1325	292.1296	292.1354
gly-cys-ile		291.1252	292.1325	292.1296	292.1354
ala-ala-met		291.1252	292.1325	292.1296	292.1354
ser-try		291.1292	292.1364	292.1335	292.1394
S-(2-methylbutanoyl)-dihydrolipoamide	C13 H25 N O2 S2	291.1327	292.1399	292.1370	292.1429
S-(3-methylbutanoyl)-dihydrolipoamide	C13 H25 N O2 S2	291.1327	292.1399	292.1370	292.1429
ala-thr-thr		291.1430	292.1503	292.1474	292.1532
gly-cys-asn		292.0841	293.0914	293.0884	293.0943
his-his		292.1284	293.1356	293.1327	293.1386
5-phosphoribosyl-5-aminoimidazole	C8 H12 N3 O7 P	293.0407	294.0480	294.0450	294.0509
2-amino-4-hydroxy-6-hydroxymethyl- dihydropteridine-PP	C7 H11 N5 O8	293.0607	294.0680	294.0650	294.0709
gly-cys-asp		293.0681	294.0754	294.0725	294.0783
ala-thr-cys		293.1045	294.1118	294.1088	294.1147
gly-ser-met		293.1045	294.1118	294.1088	294.1147
ser-ser-thr		293.1223	294.1295	294.1266	294.1325
gly-ala-phe		293.1375	294.1448	294.1419	294.1477
gln-phe		293.1375	294.1448	294.1419	294.1477
lys-phe		293.1739	294.1812	294.1783	294.1841
hyp-tyr		294.1215	295.1288	295.1259	295.1318
glu-phe		294.1215	295.1288	295.1259	295.1318

leu-tyr		294.1579	295.1652	295.1623	295.1682
ile-tyr		294.1579	295.1652	295.1623	295.1682
13-oxoODE	C18 H30 O3	294.2195	295.2268	295.2238	295.2297
9-oxoODE	C18 H30 O3	294.2195	295.2268	295.2238	295.2297
aminoimidazole ribotide	C8 H14 N3 O7 P	295.0563	296.0636	296.0607	296.0666
ala-cys-cys		295.0660	296.0733	296.0703	296.0763
ser-ser-cys		295.0838	296.0910	296.0881	296.0940
gly-gly-tyr		295.1168	296.1241	296.1211	296.1270
asn-tyr		295.1168	296.1241	296.1211	296.1270
asp-tyr		296.1008	297.1081	297.1051	297.1110
met-phe		296.1194	297.1267	297.1237	297.1297
his-val		296.1471	297.1543	297.1514	297.1573
10-EpOME	C18 H32 O3	296.2351	297.2424	297.2394	297.2454
12-EpOME	C18 H32 O3	296.2351	297.2424	297.2394	297.2454
13-HODE	C18 H32 O3	296.2351	297.2424	297.2394	297.2454
9-HODE	C18 H32 O3	296.2351	297.2424	297.2394	297.2454
thromboxane	C20 H40 O	296.3079	297.3152	297.3122	297.3182
methylthioadenosine	C11 H15 N5 O3 S	297.0895	298.0968	298.0938	298.0998
ala-ala-his		297.1437	298.1509	298.1480	298.1539
tuberculoaterate	C19 H38 O2	298.2872	299.2944	299.2915	299.2974
N-acetyl glucosamine 1-P	C8 H14 N O9 P	299.0400	300.0473	300.0443	300.0503
N-acetyl glucosamine 6-P	C8 H14 N O9 P	299.0400	300.0473	300.0443	300.0503
4-P-pantothenate	C9 H18 N O8	299.0764	300.0837	300.0807	300.0867
gly-ser-his		299.1229	300.1302	300.1272	300.1332
ser-pro-pro		299.1481	300.1554	300.1524	300.1584
leu-ala-pro		299.1845	300.1918	300.1888	300.1948
ile-ala-pro		299.1845	300.1918	300.1888	300.1948
3-dehydrosphinganine	C18 H37 N O2	299.2824	300.2897	300.2867	300.2927
spingosine	C18 H37 N O2	299.2824	300.2897	300.2867	300.2927
cinnavalinate	C14 H8 N2 O6	300.0382	301.0455	301.0425	301.0485
salidroside	C14 H20 O7	300.1209	301.1281	301.1251	301.1312
gly-pro-gln		300.1433	301.1506	301.1476	301.1536
ala-pro-asn		300.1433	301.1506	301.1476	301.1536
val-val		300.1658	301.1731	301.1701	301.1761
16 α -hydroxyandrost-4-ene-3,17-dione	C19 H24 O3	300.1725	301.1798	301.1768	301.1828
19-oxo-androst-4-ene-3,17-dione	C19 H24 O3	300.1725	301.1798	301.1768	301.1828
2-methoxyestrone	C19 H24 O3	300.1725	301.1798	301.1768	301.1828
adrenosterone	C19 H24 O3	300.1725	301.1798	301.1768	301.1828
andrenosterone	C19 H24 O3	300.1725	301.1798	301.1768	301.1828
gly-pro-lys		300.1797	301.1870	301.1840	301.1900
retinoate	C20 H28 O2	300.2089	301.2162	301.2132	301.2192
gly-pro-glu		301.1273	302.1346	302.1316	302.1376

ala-pro-asp		301.1273	302.1346	302.1316	302.1376
pro-try		301.1499	302.1572	302.1541	302.1602
ala-ala-val		301.1624	302.1697	302.1666	302.1727
gly-leu-leu		301.2001	302.2074	302.2044	302.2104
gly-leu-ile		301.2001	302.2074	302.2044	302.2104
gly-ile-ile		301.2001	302.2074	302.2044	302.2104
sphinganine	C18 H39 N O2	301.2981	302.3053	302.3023	302.3084
his-phe		302.1379	303.1451	303.1421	303.1482
leu-gly-asn		302.1590	303.1663	303.1632	303.1693
ile-gly-asn		302.1590	303.1663	303.1632	303.1693
gly-ala-arg		302.1702	303.1775	303.1745	303.1805
gln-arg		302.1702	303.1775	303.1745	303.1805
11 β -hydroxyandrost-4-ene-3,17-dione	C19 H26 O3	302.1882	303.1955	303.1924	303.1985
16 α -hydroxydehydroepiandrosterone	C19 H26 O3	302.1882	303.1955	303.1924	303.1985
19-hydroxyandrost-4-ene-3,17-dione	C19 H26 O3	302.1882	303.1955	303.1924	303.1985
19-oxo-testosterone	C19 H26 O3	302.1882	303.1955	303.1924	303.1985
7 α -hydroxyandrostenedione	C19 H26 O3	302.1882	303.1955	303.1924	303.1985
testololactone	C19 H26 O3	302.1882	303.1955	303.1924	303.1985
lys-arg		302.2066	303.2139	303.2108	303.2169
eicosapentaenoic acid	C20 H30 O2	302.2246	303.2318	303.2288	303.2349
retinyl ester	C20 H30 O2	302.2246	303.2318	303.2288	303.2349
cyclic GMP	C10 H12 N2 O7 P	303.0376	304.0449	304.0419	304.0479
gly-asn-asn		303.1178	304.1251	304.1221	304.1282
gly-pro-met		303.1252	304.1325	304.1295	304.1356
ser-gly-val		303.1416	304.1489	304.1459	304.1520
ser-pro-thr		303.1430	304.1503	304.1472	304.1533
leu-gly-asp		303.1430	304.1503	304.1472	304.1533
ile-gly-asp		303.1430	304.1503	304.1472	304.1533
glu-arg		303.1542	304.1615	304.1585	304.1645
ala-thr-leu		303.1794	304.1867	304.1836	304.1897
ala-thr-ile		303.1794	304.1867	304.1836	304.1897
gly-asn-asp		304.1019	305.1091	305.1061	305.1122
Nopaline	C11 H20 N4 O6	304.1382	305.1455	305.1425	305.1486
gly-thr-gln		304.1382	305.1455	305.1425	305.1486
ala-ser-gln		304.1382	305.1455	305.1425	305.1486
ala-thr-asn		304.1382	305.1455	305.1425	305.1486
gly-thr-lys		304.1746	305.1819	305.1789	305.1850
ala-ser-lys		304.1746	305.1819	305.1789	305.1850
19-hydroxytestosterone	C19 H28 O3	304.2038	305.2111	305.2081	305.2142
7 α -hydroxytestosterone	C19 H28 O3	304.2038	305.2111	305.2081	305.2142
arachidonic acid	C20 H32 O2	304.2402	305.2475	305.2444	305.2505
cyclic CMP	C9 H12 N3 O7 P	305.0407	306.0480	306.0449	306.0510

gly-asp-asp		305.0859	306.0931	306.0901	306.0962
cys-ser-pro		305.1045	306.1118	306.1087	306.1148
gly-thr-glu		305.1223	306.1295	306.1265	306.1326
ala-ser-glu		305.1223	306.1295	306.1265	306.1326
ala-thr-asp		305.1223	306.1295	306.1265	306.1326
ala-cys-leu		305.1409	306.1482	306.1451	306.1512
ala-cys-ile		305.1409	306.1482	306.1451	306.1512
thr-try		305.1448	306.1521	306.1490	306.1551
met-arg		305.1521	306.1594	306.1563	306.1625
ser-ser-leu		305.1586	306.1659	306.1629	306.1690
ser-ser-ile		305.1586	306.1659	306.1629	306.1690
cyclic UMP	C9 H11 N2 O8 P	306.0247	307.0320	307.0289	307.0351
gly-cys-gln		306.0998	307.1070	307.1040	307.1101
ala-cys-asn		306.0998	307.1070	307.1040	307.1101
ser-ser-asn		306.1175	307.1248	307.1217	307.1278
gly-cys-lys		306.1361	307.1434	307.1403	307.1465
val-phe		306.1566	307.1639	307.1608	307.1669
corrinoid	C19 H22 N4	306.1844	307.1917	307.1886	307.1948
8,11,14-icosatrienoate	C20 H34 O2	306.2559	307.2631	307.2601	307.2662
3-iodotyrosine	C9 H10 N O3 I	306.9700	307.9772	307.9742	307.9803
dCMP	C9 H14 N3 O7 P	307.0563	308.0636	308.0605	308.0667
glutathione	C10 H17 N3 O6 S	307.0838	308.0910	308.0880	308.0941
gly-cys-glu		307.0838	308.0910	308.0880	308.0941
ala-cys-asp		307.0838	308.0910	308.0880	308.0941
S-succinylidihydrolipoamide	C12 H21 N O4 S2	307.0912	308.0985	308.0954	308.1015
ser-ser-asp		307.1015	308.1088	308.1057	308.1119
cys-try		307.1063	308.1136	308.1105	308.1167
gly-thr-met		307.1202	308.1274	308.1244	308.1305
ala-ser-met		307.1202	308.1274	308.1244	308.1305
ser-thr-thr		307.1379	308.1452	308.1421	308.1483
ala-ala-phe		307.1532	308.1605	308.1574	308.1635
dUMP	C9 H14 N2 O8 P	309.0482	310.0555	310.0524	310.0586
cys-gly-met		309.0817	310.0889	310.0858	310.0920
ser-thr-cys		309.0994	310.1067	310.1036	310.1098
sialate	C11 H19 N O9	309.1059	310.1132	310.1101	310.1163
gly-ala-tyr		309.1324	310.1397	310.1366	310.1428
gly-ser-phe		309.1324	310.1397	310.1366	310.1428
gln-tyr		309.1324	310.1397	310.1366	310.1428
gly-pro-his		309.1437	310.1509	310.1478	310.1540
pro-pro-pro		309.1688	310.1761	310.1730	310.1792
lys-tyr		309.1688	310.1761	310.1730	310.1792

ribose-1,5-bisphosphate	C5 H12 O11 P2	309.9843	310.9916	310.9885	310.9947
ribulose 1,5-bisphosphate	C5 H12 O11 P2	309.9843	310.9916	310.9885	310.9947
glu-tyr		310.1165	311.1237	311.1206	311.1268
ser-cys-cys		311.0609	312.0682	312.0651	312.0713
dhurrin	C14 H17 N O7	311.1005	312.1077	312.1046	312.1109
taxiphyllin	C14 H17 N O7	311.1005	312.1077	312.1046	312.1109
his-arg		311.1705	312.1778	312.1747	312.1809
met-tyr		312.1144	313.1216	313.1185	313.1248
phe-phe		312.1474	313.1546	313.1515	313.1578
11-hydroperoxyoctadeca-9,12-dienoic acid	C18 H32 O4	312.2300	313.2373	313.2342	313.2404
12,13-epoxy-9-hydroxy-10-octadecenoate	C18 H32 O4	312.2300	313.2373	313.2342	313.2404
13-hydroperoxyoctadeca-9,11-dienoic acid	C18 H32 O4	312.2300	313.2373	313.2342	313.2404
7,8-DiHODE	C18 H32 O4	312.2300	313.2373	313.2342	313.2404
8-HPODE	C18 H32 O4	312.2300	313.2373	313.2342	313.2404
9,10-12,13-diepoxyoctadecanoate	C18 H32 O4	312.2300	313.2373	313.2342	313.2404
9,10-epoxy-13-hydroxy-11-octadecenoate	C18 H32 O4	312.2300	313.2373	313.2342	313.2404
9-HPODE	C18 H32 O4	312.2300	313.2373	313.2342	313.2404
phytanic acid	C20 H40 O2	312.3028	313.3101	313.3070	313.3132
5-phosphoribosyl-N-formylglycinamide	C8 H16 N3 O8 P	313.0669	314.0742	314.0710	314.0773
gly-thr-his		313.1386	314.1459	314.1427	314.1490
ala-ser-his		313.1386	314.1459	314.1427	314.1490
gly-pro-val		313.1624	314.1697	314.1665	314.1728
pro-pro-thr		313.1637	314.1710	314.1679	314.1742
5'-phosphoribosyl-N-formylglycinamide	C8 H15 N2 O9 P	314.0509	315.0582	315.0550	315.0613
geranyl-PP	C10 H20 O7 P2	314.0673	315.0746	315.0714	315.0777
7,8-dihydropteroate	C14 H14 N6 O3	314.1127	315.1200	315.1168	315.1231
ala-pro-gln		314.1590	315.1663	315.1631	315.1694
lys-ala-pro		314.1954	315.2026	315.1995	315.2058
progesterone	C21 H30 O2	314.2246	315.2318	315.2287	315.2350
12,13-DHOME	C18 H34 O4	314.2457	315.2530	315.2498	315.2561
9,10-DHOME	C18 H34 O4	314.2457	315.2530	315.2498	315.2561
adenosine	C10 H13 N5 O4	315.0814	316.0887	316.0856	316.0919
cys-gly-his		315.1001	316.1074	316.1042	316.1105
pro-pro-cys		315.1252	316.1325	316.1294	316.1357
ala-pro-glu		315.1430	316.1503	316.1471	316.1534
leu-ser-pro		315.1794	316.1867	316.1835	316.1898
ile-ser-pro		315.1794	316.1867	316.1835	316.1898
val-arg		315.1893	316.1965	316.1934	316.1997
ala-leu-leu		315.2158	316.2231	316.2199	316.2262
ala-leu-ile		315.2158	316.2231	316.2199	316.2262
ala-ile-ile		315.2158	316.2231	316.2199	316.2262
5 β -pregnane-3,20-dione	C21 H31 O2	315.2324	316.2397	316.2365	316.2428

ser-pro-asn		316.1382	317.1455	317.1423	317.1487
gly-leu-gln		316.1746	317.1819	317.1787	317.1851
gly-ile-gln		316.1746	317.1819	317.1787	317.1851
ala-leu-asn		316.1746	317.1819	317.1787	317.1851
ala-ile-asn		316.1746	317.1819	317.1787	317.1851
ala-ala-arg		316.1859	317.1931	317.1900	317.1963
15-deoxy- δ -12,14-prostoglandin J2	C20 H28 O3	316.2038	317.2111	317.2079	317.2143
gly-leu-lys		316.2110	317.2183	317.2151	317.2215
gly-ile-lys		316.2110	317.2183	317.2151	317.2215
20 α -hydroxy-4-pregnen-3-one	C21 H32 O2	316.2402	317.2475	317.2443	317.2507
pregnenolone	C21 H32 O2	316.2402	317.2475	317.2443	317.2507
ser-pro-asp		317.1223	318.1295	318.1264	318.1327
gly-asn-gln		317.1335	318.1408	318.1376	318.1439
ala-asn-asn		317.1335	318.1408	318.1376	318.1439
ala-pro-met		317.1409	318.1482	318.1450	318.1514
hyp-try		317.1448	318.1521	318.1489	318.1553
gly-thr-val		317.1573	318.1646	318.1614	318.1678
ala-ser-val		317.1573	318.1646	318.1614	318.1678
gly-leu-glu		317.1586	318.1659	318.1627	318.1691
gly-ile-glu		317.1586	318.1659	318.1627	318.1691
pro-thr-thr		317.1586	318.1659	318.1627	318.1691
ala-leu-asp		317.1586	318.1659	318.1627	318.1691
ala-ile-asp		317.1586	318.1659	318.1627	318.1691
asn-gly-lys		317.1699	318.1772	318.1740	318.1803
leu-try		317.1812	318.1885	318.1853	318.1917
ile-try		317.1812	318.1885	318.1853	318.1917
3 α -hydroxy-5 β -pregnan-20-one	C21 H33 O2	317.2480	318.2553	318.2521	318.2585
phytosphingosine	C18 H39 N O3	317.2930	318.3003	318.2971	318.3034
gly-asn-glu		318.1175	319.1248	319.1216	319.1280
gly-asp-gln		318.1175	319.1248	319.1216	319.1280
ala-asn-asp		318.1175	319.1248	319.1216	319.1280
his-tyr		318.1328	319.1400	319.1369	319.1432
gly-gly-try		318.1400	319.1473	319.1441	319.1505
asn-try		318.1400	319.1473	319.1441	319.1505
ala-thr-gln		318.1539	319.1612	319.1580	319.1644
asp-gly-lys		318.1539	319.1612	319.1580	319.1644
gly-ser-arg		318.1651	319.1724	319.1692	319.1756
ala-thr-lys		318.1903	319.1976	319.1944	319.2007
12-oxoETE	C20 H30 O3	318.2195	319.2268	319.2236	319.2299
15-oxoicosa-5,8,11,13-tetraeonic acid	C20 H30 O3	318.2195	319.2268	319.2236	319.2299
5-oxoETE	C20 H30 O3	318.2195	319.2268	319.2236	319.2299
leukotriene A4	C20 H30 O3	318.2195	319.2268	319.2236	319.2299
gly-asp-glu		319.1015	320.1088	320.1056	320.1120

ala-asp-asp		319.1015	320.1088	320.1056	320.1120
gly-cys-val		319.1188	320.1261	320.1229	320.1293
pro-thr-cys		319.1202	320.1274	320.1242	320.1306
asp-try		319.1241	320.1313	320.1281	320.1345
ala-thr-glu		319.1379	320.1452	320.1420	320.1484
phe-gly-pro		319.1532	320.1605	320.1573	320.1637
leu-gly-met		319.1565	320.1638	320.1606	320.1670
ile-gly-met		319.1565	320.1638	320.1606	320.1670
ser-thr-leu		319.1743	320.1816	320.1784	320.1848
ser-thr-ile		319.1743	320.1816	320.1784	320.1848
ala-cys-gln		320.1154	321.1227	321.1195	321.1259
gly-asn-met		320.1154	321.1227	321.1195	321.1259
ser-ser-gln		320.1332	321.1404	321.1372	321.1436
ser-thr-asn		320.1332	321.1404	321.1372	321.1436
ala-cys-lys		320.1518	321.1591	321.1559	321.1623
ser-ser-lys		320.1695	321.1768	321.1736	321.1800
11,12-EET	C20 H32 O3	320.2351	321.2424	321.2392	321.2456
11-HETE	C20 H32 O3	320.2351	321.2424	321.2392	321.2456
12-HETE	C20 H32 O3	320.2351	321.2424	321.2392	321.2456
14,15-EET	C20 H32 O3	320.2351	321.2424	321.2392	321.2456
15-hydroxy-5,8,11-cis-13-trans-eicosatetraenoate	C20 H32 O3	320.2351	321.2424	321.2392	321.2456
16-HETE	C20 H32 O3	320.2351	321.2424	321.2392	321.2456
19-HETE	C20 H32 O3	320.2351	321.2424	321.2392	321.2456
20-HETE	C20 H32 O3	320.2351	321.2424	321.2392	321.2456
5,6-EET	C20 H32 O3	320.2351	321.2424	321.2392	321.2456
5-hydroxyeicosatetraenoate	C20 H32 O3	320.2351	321.2424	321.2392	321.2456
8,9-EET	C20 H32 O3	320.2351	321.2424	321.2392	321.2456
8-HETE	C20 H32 O3	320.2351	321.2424	321.2392	321.2456
9-HETE	C20 H32 O3	320.2351	321.2424	321.2392	321.2456
pro-cys-cys		321.0817	322.0889	322.0857	322.0922
ala-cys-glu		321.0994	322.1067	322.1035	322.1099
gly-asp-met		321.0994	322.1067	322.1035	322.1099
S-glutaryl dihydro lipamide	C13 H23 N O4 S2	321.1068	322.1141	322.1109	322.1173
ser-ser-glu		321.1172	322.1244	322.1212	322.1277
ser-thr-asp		321.1172	322.1244	322.1212	322.1277
ala-thr-met		321.1358	322.1431	322.1399	322.1463
ser-cys-leu		321.1358	322.1431	322.1399	322.1463
ser-cys-ile		321.1358	322.1431	322.1399	322.1463
thr-thr-thr		321.1536	322.1608	322.1576	322.1641
phe-arg		321.1801	322.1873	322.1841	322.1906
pregnenediol	C21 H37 O2	321.2793	322.2866	322.2834	322.2898
1-carbosyvinyl-3-P-shikimate	C10 H11 O10 P	322.0084	323.0157	323.0124	323.0189

thymidine monophosphate (TMP)	C10 H15 N2 O8 P	322.0560	323.0633	323.0601	323.0665
ser-cys-asn		322.0947	323.1019	323.0987	323.1052
N-pantothenoyl-cysteine	C12 H22 N2 O6 S	322.1198	323.1271	323.1239	323.1303
val-tyr		322.1515	323.1588	323.1555	323.1620
cytidine monophosphate (CMP)	C9 H14 N3 O8 P	323.0513	324.0585	324.0553	324.0618
ser-cys-asp		323.0787	324.0860	324.0827	324.0892
ala-cys-met		323.0973	324.1046	324.1014	324.1078
ser-ser-met		323.1151	324.1223	324.1191	324.1256
thr-thr-cys		323.1151	324.1223	324.1191	324.1256
ala-ala-tyr		323.1481	324.1554	324.1521	324.1586
ala-ser-phe		323.1481	324.1554	324.1521	324.1586
thr-gly-phe		323.1481	324.1554	324.1521	324.1586
ala-pro-his		323.1593	324.1666	324.1634	324.1698
mevalonate-5-PP	C6 H14 O11 P2	324.0000	325.0073	325.0040	325.0105
O5-(1-carboxyvinyl)-3-phosphoshikimate	C10 H13 O10 P	324.0240	325.0313	325.0281	325.0346
pseudouridine 5'-phosphate	C9 H13 N2 O9 P	324.0353	325.0425	325.0393	325.0458
uridine monophosphate (UMP)	C9 H13 N2 O9 P	324.0353	325.0425	325.0393	325.0458
urothione	C11 H11 N5 O3 S2	325.0303	326.0376	326.0343	326.0408
thr-cys-cys		325.0766	326.0839	326.0806	326.0871
N-glycoloyl-neuraminat	C11 H19 N O10	325.1008	326.1081	326.1049	326.1114
gly-cys-phe		325.1096	326.1169	326.1136	326.1201
gly-ser-tyr		325.1273	326.1346	326.1314	326.1379
leu-gly-his		325.1750	326.1822	326.1790	326.1855
ile-gly-his		325.1750	326.1822	326.1790	326.1855
pro-pro-leu		325.2001	326.2074	326.2041	326.2107
pro-pro-ile		325.2001	326.2074	326.2041	326.2107
gly-asn-his		326.1338	327.1411	327.1378	327.1444
pro-pro-asn		326.1590	327.1663	327.1630	327.1695
2,3-dinor-8-iso prostaglandin F2 α	C18 H30 O5	326.2093	327.2166	327.2133	327.2198
homophytanic acid	C21 H42 O2	326.3185	327.3257	327.3225	327.3290
cys-cys-cys		327.0381	328.0454	328.0421	328.0486
gly-asp-his		327.1178	328.1251	328.1218	328.1284
pro-pro-asp		327.1430	328.1503	328.1470	328.1536
ala-thr-his		327.1542	328.1615	328.1582	328.1648
val-ala-pro		327.1780	328.1853	328.1820	328.1886
cyclic AMP	C10 H11 N5 O6 P	328.0441	329.0514	329.0481	329.0547
phe-tyr		328.1423	329.1496	329.1463	329.1528
gly-pro-arg		328.1859	329.1931	329.1898	329.1964
2,3-dinor-8-iso prostaglandin F1 α	C18 H32 O5	328.2250	329.2322	329.2289	329.2355
ala-cys-his		329.1157	330.1230	330.1197	330.1263

ser-ser-his		329.1335	330.1408	330.1375	330.1441
gly-leu-val		329.1937	330.2010	330.1977	330.2043
gly-ile-val		329.1937	330.2010	330.1977	330.2043
pro-thr-leu		329.1950	330.2023	330.1990	330.2056
pro-thr-ile		329.1950	330.2023	330.1990	330.2056
asn-gly-val		330.1525	331.1598	331.1565	331.1631
ser-pro-gln		330.1539	331.1612	331.1579	331.1645
pro-thr-asn		330.1539	331.1612	331.1579	331.1645
ala-leu-gln		330.1903	331.1976	331.1942	331.2009
ala-ile-gln		330.1903	331.1976	331.1942	331.2009
lys-ser-pro		330.1903	331.1976	331.1942	331.2009
arg-arg		330.2127	331.2200	331.2167	331.2233
11-dexsycorticoesterone	C21 H30 O3	330.2195	331.2268	331.2234	331.2301
11 β -hydroxyprogesterone	C21 H30 O3	330.2195	331.2268	331.2234	331.2301
17 α -hydroxyprogesterone	C21 H30 O3	330.2195	331.2268	331.2234	331.2301
ala-leu-lys		330.2267	331.2339	331.2306	331.2373
ala-ile-lys		330.2267	331.2339	331.2306	331.2373
9,10,13-TriHOME	C18 H34 O5	330.2406	331.2479	331.2446	331.2512
9,10-dihydroxy-12,13-epoxyoctadecanoate	C18 H34 O5	330.2406	331.2479	331.2446	331.2512
9,12,13-TriHOME	C18 H34 O5	330.2406	331.2479	331.2446	331.2512
inosine-5-phosphate	C10 H13 N4 O7 P	331.0438	332.0510	332.0477	332.0544
dAMP	C10 H14 N5 O6 P	331.0676	332.0748	332.0715	332.0782
asp-gly-val		331.1366	332.1438	332.1405	332.1472
ser-pro-glu		331.1379	332.1452	332.1419	332.1485
pro-thr-asp		331.1379	332.1452	332.1419	332.1485
gly-gln-gln		331.1491	332.1564	332.1531	332.1597
ala-asn-gln		331.1491	332.1564	332.1531	332.1597
pro-cys-leu		331.1565	332.1638	332.1605	332.1671
pro-cys-ile		331.1565	332.1638	332.1605	332.1671
ala-thr-val		331.1729	332.1802	332.1769	332.1835
ala-leu-glu		331.1743	332.1816	332.1783	332.1849
ala-ile-glu		331.1743	332.1816	332.1783	332.1849
gly-gln-lys		331.1855	332.1928	332.1895	332.1961
ala-asn-lys		331.1855	332.1928	332.1895	332.1961
ser-leu-leu		331.2107	332.2180	332.2146	332.2213
ser-leu-ile		331.2107	332.2180	332.2146	332.2213
ser-ile-ile		331.2107	332.2180	332.2146	332.2213
gly-lys-lys		331.2219	332.2292	332.2259	332.2325
dIMP	C10 H13 N4 O7 P	332.0516	333.0589	333.0555	333.0622
cys-pro-asn		332.1154	333.1227	333.1193	333.1260
gly-gln-glu		332.1332	333.1404	333.1371	333.1438
ala-asn-glu		332.1332	333.1404	333.1371	333.1438

ala-asp-gln		332.1332	333.1404	333.1371	333.1438
ala-gly-try		332.1557	333.1630	333.1596	333.1663
gln-try		332.1557	333.1630	333.1596	333.1663
gly-lys-glu		332.1695	333.1768	333.1735	333.1801
ala-asp-lys		332.1695	333.1768	333.1735	333.1801
ser-leu-asn		332.1695	333.1768	333.1735	333.1801
ser-ile-asn		332.1695	333.1768	333.1735	333.1801
gly-thr-arg		332.1808	333.1880	333.1847	333.1914
ala-ser-arg		332.1808	333.1880	333.1847	333.1914
lys-try		332.1921	333.1994	333.1960	333.2027
17 α -hydroxypregnenolone	C21 H32 O3	332.2351	333.2424	333.2391	333.2457
17 α ,20 α -dihydroxypregn-4-en-3-one	C21 H32 O3	332.2351	333.2424	333.2391	333.2457
21-hydroxypregnenolone	C21 H32 O3	332.2351	333.2424	333.2391	333.2457
cys-pro-asp		333.0994	334.1067	334.1034	334.1100
gly-glu-glu		333.1172	334.1244	334.1211	334.1278
ala-asp-glu		333.1172	334.1244	334.1211	334.1278
ser-asn-asn		333.1284	334.1357	334.1323	334.1390
ala-cys-val		333.1345	334.1417	334.1384	334.1451
ser-pro-met		333.1358	334.1431	334.1397	334.1464
glu-try		333.1397	334.1470	334.1436	334.1503
ser-ser-val		333.1522	334.1595	334.1561	334.1628
ser-leu-asp		333.1536	334.1608	334.1575	334.1642
ser-ile-asp		333.1536	334.1608	334.1575	334.1642
ala-pro-phe		333.1688	334.1761	334.1728	334.1794
ala-leu-met		333.1722	334.1795	334.1761	334.1828
ala-ile-met		333.1722	334.1795	334.1761	334.1828
thr-thr-leu		333.1899	334.1972	334.1939	334.2006
thr-thr-ile		333.1899	334.1972	334.1939	334.2006
ser-asn-asp		334.1124	335.1197	335.1163	335.1230
gly-gln-met		334.1311	335.1383	335.1350	335.1417
ala-asn-met		334.1311	335.1383	335.1350	335.1417
cys-gly-arg		334.1423	335.1496	335.1462	335.1529
ser-thr-gln		334.1488	335.1561	335.1527	335.1594
thr-thr-asn		334.1488	335.1561	335.1527	335.1594
lys-gly-met		334.1674	335.1747	335.1714	335.1781
ser-thr-lys		334.1852	335.1925	335.1891	335.1958
12-keto-leukotriene B4	C20 H30 O4	334.2144	335.2217	335.2183	335.2250
5,6-epoxytetraene	C20 H30 O4	334.2144	335.2217	335.2183	335.2250
prostaglandin A2	C20 H30 O4	334.2144	335.2217	335.2183	335.2250
prostaglandin B2	C20 H30 O4	334.2144	335.2217	335.2183	335.2250
prostaglandin C2	C20 H30 O4	334.2144	335.2217	335.2183	335.2250
prostaglandin J2	C20 H30 O4	334.2144	335.2217	335.2183	335.2250
δ -12-prostaglandin J2	C20H30 O4	334.2144	335.2217	335.2183	335.2250

nicotinate nucleotide	C11 H14 N O9 P	335.0400	336.0473	336.0439	336.0507
S-formylglutathione	C11 H17 N3 O7 S	335.0787	336.0860	336.0826	336.0893
ser-asp-asp		335.0964	336.1037	336.1003	336.1071
gly-glu-met		335.1151	336.1223	336.1190	336.1257
ala-asp-met		335.1151	336.1223	336.1190	336.1257
ser-thr-glu		335.1328	336.1401	336.1367	336.1435
thr-thr-asp		335.1328	336.1401	336.1367	336.1435
met-try		335.1376	336.1449	336.1415	336.1483
gly-pro-tyr		335.1481	336.1554	336.1520	336.1587
thr-cys-leu		335.1515	336.1587	336.1554	336.1621
thr-cys-ile		335.1515	336.1587	336.1554	336.1621
gly-leu-phe		335.1845	336.1918	336.1884	336.1951
gly-ile-phe		335.1845	336.1918	336.1884	336.1951
fructose 2,6-bisphosphate	C6 H10 O12 P2	335.9636	336.9709	336.9675	336.9742
fructose-1,6-bisphosphate	C6 H10 O12 P2	335.9636	336.9709	336.9675	336.9742
glucose 1,6-bisphosphate	C6 H10 O12 P2	335.9636	336.9709	336.9675	336.9742
ser-cys-gln		336.1103	337.1176	337.1142	337.1210
thr-cys-asn		336.1103	337.1176	337.1142	337.1210
gly-asn-phe		336.1433	337.1506	337.1472	337.1540
ser-cys-lys		336.1467	337.1540	337.1506	337.1573
9-HPETE	C20 H32 O4	336.2300	337.2373	337.2339	337.2407
11-HPETE	C20 H32 O4	336.2300	337.2373	337.2339	337.2407
11-hydroxy-14,15-EETA	C20 H32 O4	336.2300	337.2373	337.2339	337.2407
12-HPETE	C20 H32 O4	336.2300	337.2373	337.2339	337.2407
15-H-11,12-EETA	C20 H32 O4	336.2300	337.2373	337.2339	337.2407
15-HPETE	C20 H32 O4	336.2300	337.2373	337.2339	337.2407
5-HPETE	C20 H32 O4	336.2300	337.2373	337.2339	337.2407
8-HPETE	C20 H32 O4	336.2300	337.2373	337.2339	337.2407
8-hydroxyperoxyeicosa-5,9,11,14-tetraenoate	C20 H32 O4	336.2300	337.2373	337.2339	337.2407
hepoxilin A3	C20 H32 O4	336.2300	337.2373	337.2339	337.2407
hepoxilin B3	C20 H32 O4	336.2300	337.2373	337.2339	337.2407
leukotriene B4	C20 H32 O4	336.2300	337.2373	337.2339	337.2407
prostaglandin A1	C20 H32 O4	336.2300	337.2373	337.2339	337.2407
prostaglandin B1	C20 H32 O4	336.2300	337.2373	337.2339	337.2407
phosphoinositolphosphate	C6 H11 O12 P2	336.9714	337.9787	337.9753	337.9821
5-hydroxymethyldeoxycytidylate	C10 H16 N3 O8 P	337.0669	338.0742	338.0708	338.0776
S-(hydroxymethyl) glutathione	C11 H19 N3 O7 S	337.0943	338.1016	338.0982	338.1050
ser-cys-glu		337.0943	338.1016	338.0982	338.1050
thr-cys-asp		337.0943	338.1016	338.0982	338.1050
cys-cys-leu		337.1130	338.1202	338.1169	338.1236
cys-cys-ile		337.1130	338.1202	338.1169	338.1236

gly-met-met		337.1130	338.1202	338.1169	338.1236
gly-asp-phe		337.1273	338.1346	338.1312	338.1380
ser-thr-met		337.1307	338.1380	338.1346	338.1414
ala-thr-phe		337.1637	338.1710	338.1676	338.1744
arg-tyr		337.1750	338.1822	338.1789	338.1856
1-(5-phosphoribosyl) imidazole-4-acetate	C10 H15 N2 O9 P	338.0509	339.0582	339.0548	339.0616
5'-phosphoribosyl-4-carbamoyl-5-aminoimidazole (AICAR)	C9 H15 N4 O8 P	338.0621	339.0694	339.0660	339.0728
cys-cys-asn		338.0718	339.0791	339.0757	339.0825
11,12-DHET	C20 H34 O4	338.2457	339.2530	339.2496	339.2564
14,15-DHET	C20 H34 O4	338.2457	339.2530	339.2496	339.2564
5,6-DHET	C20 H34 O4	338.2457	339.2530	339.2496	339.2564
8,9-DHET	C20 H34 O4	338.2457	339.2530	339.2496	339.2564
thromboxane B2	C20 H34 O4	338.2457	339.2530	339.2496	339.2564
5P-ribosyl-4-carboxy-5-aminoimidazole	C9 H14 N3 O9 P	339.0462	340.0534	340.0500	340.0568
cys-cys-asp		339.0558	340.0631	340.0597	340.0665
ser-cys-met		339.0922	340.0995	340.0961	340.1029
ala-cys-phe		339.1252	340.1325	340.1291	340.1359
gly-thr-tyr		339.1430	340.1503	340.1469	340.1537
ala-ser-tyr		339.1430	340.1503	340.1469	340.1537
ser-ser-phe		339.1430	340.1503	340.1469	340.1537
ser-pro-his		339.1542	340.1615	340.1581	340.1649
ala-leu-his		339.1906	340.1979	340.1945	340.2013
ala-ile-his		339.1906	340.1979	340.1945	340.2013
inositol 1,4-bisphosphate	C6 H14 O12 P2	339.9949	341.0022	340.9988	341.0056
inositol 3,4-bisphosphate	C6 H14 O12 P2	339.9949	341.0022	340.9988	341.0056
tagatose 1,6-bisphosphate	C6 H14 O12 P2	339.9949	341.0022	340.9988	341.0056
3-ketolactose	C12 H20 O11	340.1005	341.1078	341.1044	341.1112
3-ketosucrose	C12 H20 O11	340.1005	341.1078	341.1044	341.1112
(5-galactosyloxy)-lysine	C12 H24 N2 O9	340.1481	341.1554	341.1520	341.1588
gly-gln-his		340.1495	341.1567	341.1533	341.1602
ala-asn-his		340.1495	341.1567	341.1533	341.1602
pro-pro-gln		340.1746	341.1819	341.1785	341.1853
lys-gly-his		340.1859	341.1931	341.1897	341.1965
pro-pro-lys		340.2110	341.2183	341.2149	341.2217
cys-gly-tyr		341.1045	342.1118	342.1084	342.1152
gly-glu-his		341.1335	342.1408	342.1373	342.1442
ala-asp-his		341.1335	342.1408	342.1373	342.1442
his-try		341.1560	342.1633	342.1599	342.1667
pro-pro-glu		341.1586	342.1659	342.1625	342.1693
pro-leu-leu		341.2314	342.2387	342.2353	342.2421
pro-leu-ile		341.2314	342.2387	342.2353	342.2421
pro-ile-ile		341.2314	342.2387	342.2353	342.2421

cellobiose	C12 H22 O11	342.1162	343.1234	343.1200	343.1269
cellulose	C12 H22 O11	342.1162	343.1234	343.1200	343.1269
epimelibiose	C12 H22 O11	342.1162	343.1234	343.1200	343.1269
galactinol	C12 H22 O11	342.1162	343.1234	343.1200	343.1269
isomaltose	C12 H22 O11	342.1162	343.1234	343.1200	343.1269
lactose	C12 H22 O11	342.1162	343.1234	343.1200	343.1269
maltose	C12 H22 O11	342.1162	343.1234	343.1200	343.1269
melibiose	C12 H22 O11	342.1162	343.1234	343.1200	343.1269
sucrose	C12 H22 O11	342.1162	343.1234	343.1200	343.1269
trehalose	C12 H22 O11	342.1162	343.1234	343.1200	343.1269
leu-pro-asn		342.1903	343.1976	343.1941	343.2010
ile-pro-asn		342.1903	343.1976	343.1941	343.2010
ala-pro-arg		342.2015	343.2088	343.2054	343.2122
gly-met-his		343.1314	344.1387	344.1352	344.1421
ser-thr-his		343.1491	344.1564	344.1530	344.1599
pro-asn-asn		343.1491	344.1564	344.1530	344.1599
pro-pro-met		343.1565	344.1638	344.1604	344.1673
val-ser-pro		343.1729	344.1802	344.1768	344.1837
leu-pro-asp		343.1743	344.1816	344.1781	344.1850
ile-pro-asp		343.1743	344.1816	344.1781	344.1850
ala-leu-val		343.2093	344.2166	344.2132	344.2201
ala-ile-val		343.2093	344.2166	344.2132	344.2201
melibiitol	C12 H24 O11	344.1318	345.1391	345.1356	345.1425
pro-asn-asp		344.1332	345.1404	345.1370	345.1439
tyr-tyr		344.1372	345.1445	345.1410	345.1479
gly-gln-val		344.1682	345.1755	345.1720	345.1789
ala-asn-val		344.1682	345.1755	345.1720	345.1789
pro-thr-gln		344.1695	345.1768	345.1734	345.1803
11-dehydro-corticosterone	C21 H28 O4	344.1987	345.2060	345.2026	345.2095
gly-lys-val		344.2046	345.2119	345.2084	345.2153
pro-thr-lys		344.2059	345.2132	345.2098	345.2167
leu-gly-arg		344.2172	345.2244	345.2210	345.2279
ile-gly-arg		344.2172	345.2244	345.2210	345.2279
cGMP	C10 H12 N5 O7 P	345.0468	346.0541	346.0506	346.0576
ser-cys-his		345.1106	346.1179	346.1145	346.1214
pro-asp-asp		345.1172	346.1244	346.1210	346.1279
gly-glu-val		345.1522	346.1595	346.1560	346.1629
ala-asp-val		345.1522	346.1595	346.1560	346.1629
pro-thr-glu		345.1536	346.1608	346.1574	346.1643
ala-gln-gln		345.1648	346.1721	346.1686	346.1755
val-try		345.1748	346.1820	346.1786	346.1855
gly-asn-arg		345.1760	346.1833	346.1798	346.1868

ala-gln-lys		345.2012	346.2085	346.2050	346.2119
thr-leu-leu		345.2263	346.2336	346.2301	346.2371
thr-leu-ile		345.2263	346.2336	346.2301	346.2371
thr-ile-ile		345.2263	346.2336	346.2301	346.2371
ala-lys-lys		345.2376	346.2448	346.2414	346.2483
pro-cys-gln		346.1311	347.1383	347.1349	347.1418
ala-gln-glu		346.1488	347.1561	347.1526	347.1595
gly-asp-arg		346.1600	347.1673	347.1638	347.1708
pro-cys-lys		346.1674	347.1747	347.1712	347.1782
ala-ala-try		346.1713	347.1786	347.1752	347.1821
ala-lys-glu		346.1852	347.1925	347.1890	347.1959
ser-leu-gln		346.1852	347.1925	347.1890	347.1959
ser-ile-gln		346.1852	347.1925	347.1890	347.1959
leu-thr-asn		346.1852	347.1925	347.1890	347.1959
ile-thr-asn		346.1852	347.1925	347.1890	347.1959
ala-thr-arg		346.1964	347.2037	347.2002	347.2072
11-deoxycortisol(17 α -hydroxycortexone)	C21 H30 O4	346.2144	347.2217	347.2182	347.2251
21-deoxycortisol	C21 H30 O4	346.2144	347.2217	347.2182	347.2251
21-hydroxy-5 β -pregnane-3,11,20-trione	C21 H30 O4	346.2144	347.2217	347.2182	347.2251
corticosterone	C21 H30 O4	346.2144	347.2217	347.2182	347.2251
ser-leu-lys		346.2216	347.2289	347.2254	347.2323
ser-ile-lys		346.2216	347.2289	347.2254	347.2323
N-acetylmannosamine-6-P	C8 H14 N O9 P	347.0248	348.0320	348.0285	348.0355
dGMP	C10 H14 N5 O7 P	347.0625	348.0698	348.0663	348.0732
propionyl adenylate	C13 H18 N5 O8 P	347.0764	348.0837	348.0802	348.0872
pro-cys-glu		347.1151	348.1223	348.1189	348.1258
ala-glu-glu		347.1328	348.1401	348.1366	348.1436
ser-asn-gln		347.1440	348.1513	348.1478	348.1548
thr-asn-asn		347.1440	348.1513	348.1478	348.1548
met-gly-val		347.1501	348.1574	348.1539	348.1609
pro-thr-met		347.1515	348.1587	348.1553	348.1622
ser-thr-val		347.1679	348.1751	348.1717	348.1786
ser-leu-glu		347.1692	348.1765	348.1730	348.1800
ser-ile-glu		347.1692	348.1765	348.1730	348.1800
leu-thr-asp		347.1692	348.1765	348.1730	348.1800
ile-thr-asp		347.1692	348.1765	348.1730	348.1800
ser-asn-lys		347.1804	348.1877	348.1842	348.1912
cys-leu-leu		347.1878	348.1951	348.1916	348.1986
cys-leu-ile		347.1878	348.1951	348.1916	348.1986
cys-ile-ile		347.1878	348.1951	348.1916	348.1986
1-(2-carbosyphenylamino)-1'deoxyribose-5'-P	C12 H15 N O9 P	348.0478	349.0551	349.0516	349.0586
ser-asn-glu		348.1281	349.1353	349.1318	349.1388

ser-asp-gln		348.1281	349.1353	349.1318	349.1388
thr-asn-asp		348.1281	349.1353	349.1318	349.1388
ala-gln-met		348.1467	349.1540	349.1505	349.1575
leu-cys-asn		348.1467	349.1540	349.1505	349.1575
ile-cys-asn		348.1467	349.1540	349.1505	349.1575
ser-gly-try		348.1506	349.1579	349.1544	349.1614
ala-cys-arg		348.1579	349.1652	349.1617	349.1687
thr-thr-gln		348.1645	349.1717	349.1682	349.1752
ser-asp-lys		348.1645	349.1717	349.1682	349.1752
ser-ser-arg		348.1757	349.1830	349.1795	349.1864
ala-lys-met		348.1831	349.1904	349.1869	349.1939
thr-thr-lys		348.2008	349.2081	349.2046	349.2116
11 β ,21-dihydroxy-5 β -pregnane-3,20-dione	C21 H32 O4	348.2300	349.2373	349.2338	349.2408
17 α ,21-dihydroxypregnenolone	C21 H32 O4	348.2300	349.2373	349.2338	349.2408
3 α ,21-dihydroxy-5 β -pregnane-11,20-dione	C21 H32 O4	348.2300	349.2373	349.2338	349.2408
N-(5-phosphoribosyl) anthranilate	C12 H16 N O9 P	349.0557	350.0629	350.0594	350.0664
cys-asn-asn		349.1056	350.1128	350.1093	350.1163
ser-asp-glu		349.1121	350.1194	350.1159	350.1229
thr-asp-asp		349.1121	350.1194	350.1159	350.1229
cys-pro-met		349.1130	350.1202	350.1167	350.1237
ser-cys-val		349.1294	350.1366	350.1331	350.1401
ala-glu-met		349.1307	350.1380	350.1345	350.1415
leu-cys-asp		349.1307	350.1380	350.1345	350.1415
ile-cys-asp		349.1307	350.1380	350.1345	350.1415
thr-thr-glu		349.1485	350.1557	350.1522	350.1592
gly-his-his		349.1498	350.1571	350.1536	350.1606
ala-pro-tyr		349.1637	350.1710	350.1675	350.1745
pro-ser-phe		349.1637	350.1710	350.1675	350.1745
ser-leu-met		349.1671	350.1744	350.1709	350.1779
ser-ile-met		349.1671	350.1744	350.1709	350.1779
pro-pro-his		349.1750	350.1822	350.1787	350.1857
ala-leu-phe		349.2001	350.2074	350.2039	350.2109
ala-ile-phe		349.2001	350.2074	350.2039	350.2109
N-phospho lombricine	C6 H16 N4 O9 P2	350.0381	351.0454	351.0419	351.0489
cys-asn-asp		350.0896	351.0968	351.0933	351.1004
estrone sulfate	C18 H22 O5 S	350.1188	351.1260	351.1225	351.1296
thr-cys-gln		350.1260	351.1332	351.1297	351.1367
ser-asn-met		350.1260	351.1332	351.1297	351.1367
ala-asn-phe		350.1590	351.1663	351.1627	351.1698
gln-gly-phe		350.1590	351.1663	351.1627	351.1698
thr-cys-lys		350.1624	351.1696	351.1661	351.1731
gly-lys-phe		350.1954	351.2026	351.1991	351.2062

15-keto-prostaglandin E2	C20 H30 O5	350.2093	351.2166	351.2131	351.2201
prostaglandin E3	C20 H30 O5	350.2093	351.2166	351.2131	351.2201
3 α ,11 β ,21-trihydroxy-5 β -pregnan-11-al	C21 H34 O4	350.2457	351.2530	351.2495	351.2565
3 α ,20 α ,21-trihydroxy-5 β -pregnane-11-one	C21 H34 O4	350.2457	351.2530	351.2495	351.2565
tetrahydrocorticosterone	C21 H34 O4	350.2457	351.2530	351.2495	351.2565
cys-asp-asp		351.0736	352.0809	352.0773	352.0844
thr-cys-glu		351.1100	352.1173	352.1137	352.1208
ser-asp-met		351.1100	352.1173	352.1137	352.1208
ala-met-met		351.1286	352.1359	352.1324	352.1394
ala-asp-phe		351.1430	352.1503	352.1468	352.1538
glu-gly-phe		351.1430	352.1503	352.1468	352.1538
thr-thr-met		351.1464	352.1536	352.1501	352.1572
phe-try		351.1655	352.1728	352.1693	352.1763
leu-gly-tyr		351.1794	352.1867	352.1831	352.1902
ile-gly-tyr		351.1794	352.1867	352.1831	352.1902
arbutin-6P	C12 H17 O10 P	352.0553	353.0626	353.0591	353.0661
4-(4-deoxy- α -gluc-4-enuronosyl)-galacturonate	C12 H16 O12	352.0641	353.0714	353.0679	353.0749
4-(4-deoxy- β -gluc-4-enuronosyl)-galacturonate	C12 H16 O12	352.0641	353.0714	353.0679	353.0749
cys-cys-gln		352.0875	353.0947	353.0912	353.0983
cys-cys-lys		352.1239	353.1311	353.1276	353.1347
estradiol-17 β 3-sulfate	C18 H24 O5 S	352.1344	353.1417	353.1382	353.1452
gly-asn-tyr		352.1382	353.1455	353.1420	353.1490
13,14-dihydro-15-keto-prostaglandin E2	C20 H32 O5	352.2250	353.2322	353.2287	353.2358
15-keto-prostaglandin F2 α	C20 H32 O5	352.2250	353.2322	353.2287	353.2358
20-hydroxy-leukotriene B4	C20 H32 O5	352.2250	353.2322	353.2287	353.2358
9 α ,15-dihydroxy-11-oxoprostano-5,13-dienoic acid	C20 H32 O5	352.2250	353.2322	353.2287	353.2358
dinoprostone	C20 H32 O5	352.2250	353.2322	353.2287	353.2358
lipoxin A4	C20 H32 O5	352.2250	353.2322	353.2287	353.2358
lipoxin B4	C20 H32 O5	352.2250	353.2322	353.2287	353.2358
prostaglandin E2	C20 H32 O5	352.2250	353.2322	353.2287	353.2358
prostaglandin H2	C20 H32 O5	352.2250	353.2322	353.2287	353.2358
prostaglandin I2	C20 H32 O5	352.2250	353.2322	353.2287	353.2358
thromboxane A2	C20 H32 O5	352.2250	353.2322	353.2287	353.2358
2'-deoxy-5-hydroxymethyl-cytidine monophosphate	C10 H16 N3 O9 P	353.0618	354.0691	354.0655	354.0726
cys-cys-glu		353.0715	354.0788	354.0752	354.0823
cys-thr-met		353.1079	354.1152	354.1116	354.1187
gly-asp-tyr		353.1223	354.1295	354.1260	354.1331
gly-met-phe		353.1409	354.1482	354.1446	354.1517
ala-thr-tyr		353.1586	354.1659	354.1624	354.1695
thr-ser-phe		353.1586	354.1659	354.1624	354.1695
his-gly-val		353.1685	354.1758	354.1723	354.1793
pro-thr-his		353.1699	354.1772	354.1736	354.1807

pro-pro-val		353.1937	354.2010	354.1974	354.2045
ala-gln-his		354.1651	355.1724	355.1688	355.1759
ala-lys-his		354.2015	355.2088	355.2052	355.2123
11,12,15-THETA	C20 H34 O5	354.2406	355.2479	355.2443	355.2514
11,14,15-THETA	C20 H34 O5	354.2406	355.2479	355.2443	355.2514
11-epi-prostaglandin F2 α	C20 H34 O5	354.2406	355.2479	355.2443	355.2514
8-isoprostane	C20 H34 O5	354.2406	355.2479	355.2443	355.2514
9,11,15-trihydroxy-prosta-5,13-dien-1-oic acid	C20 H34 O5	354.2406	355.2479	355.2443	355.2514
dinoprost	C20 H34 O5	354.2406	355.2479	355.2443	355.2514
panacelan	C20 H34 O5	354.2406	355.2479	355.2443	355.2514
prostaglandin E1	C20 H34 O5	354.2406	355.2479	355.2443	355.2514
trioxilin A3	C20 H34 O5	354.2406	355.2479	355.2443	355.2514
trioxilin B3	C20 H34 O5	354.2406	355.2479	355.2443	355.2514
met-cys-cys		355.0694	356.0767	356.0731	356.0802
ala-cys-tyr		355.1202	356.1274	356.1239	356.1310
ser-cys-phe		355.1202	356.1274	356.1239	356.1310
cys-pro-his		355.1314	356.1387	356.1351	356.1422
ser-ser-tyr		355.1379	356.1452	356.1416	356.1487
ala-glu-his		355.1491	356.1564	356.1529	356.1600
S-adenosylmethioninamine	C14 H23 N6 O3 S	355.1552	356.1625	356.1589	356.1660
ser-leu-his		355.1855	356.1928	356.1892	356.1964
ser-ile-his		355.1855	356.1928	356.1892	356.1964
ser-asn-his		356.1444	357.1517	357.1481	357.1552
pro-leu-gln		356.2059	357.2132	357.2096	357.2168
pro-ile-gln		356.2059	357.2132	357.2096	357.2168
pro-leu-lys		356.2423	357.2496	357.2460	357.2532
pro-ile-lys		356.2423	357.2496	357.2460	357.2532
prostaglandin F1 α	C20 H36 O5	356.2563	357.2635	357.2600	357.2671
ser-asp-his		357.1284	358.1357	358.1321	358.1393
ala-met-his		357.1470	358.1543	358.1507	358.1579
pro-asn-gln		357.1648	358.1721	358.1685	358.1756
thr-thr-his		357.1648	358.1721	358.1685	358.1756
gly-val-val		357.1872	358.1945	358.1909	358.1981
pro-thr-val		357.1886	358.1959	358.1923	358.1995
pro-leu-glu		357.1899	358.1972	358.1936	358.2008
pro-ile-glu		357.1899	358.1972	358.1936	358.2008
lys-pro-asn		357.2012	358.2085	358.2049	358.2120
leu-leu-leu		357.2627	358.2700	358.2664	358.2736
leu-leu-ile		357.2627	358.2700	358.2664	358.2736
leu-ile-ile		357.2627	358.2700	358.2664	358.2736
ile-ile-ile		357.2627	358.2700	358.2664	358.2736
4'P-pantetheine	C11 H23 N2 O7 S P	358.0958	359.1030	359.0995	359.1066

pro-asn-glu		358.1488	359.1561	359.1525	359.1597
pro-asp-gln		358.1488	359.1561	359.1525	359.1597
pro-gly-try		358.1713	359.1786	359.1750	359.1822
ala-gln-val		358.1838	359.1911	359.1875	359.1947
lys-pro-asp		358.1852	359.1925	359.1889	359.1961
ser-pro-arg		358.1964	359.2037	359.2001	359.2073
ala-lys-val		358.2202	359.2275	359.2239	359.2311
asn-leu-leu		358.2216	359.2289	359.2253	359.2324
asn-leu-ile		358.2216	359.2289	359.2253	359.2324
asn-ile-ile		358.2216	359.2289	359.2253	359.2324
ala-leu-arg		358.2328	359.2401	359.2365	359.2437
ala-ile-arg		358.2328	359.2401	359.2365	359.2437
cys-thr-his		359.1263	360.1336	360.1300	360.1372
pro-asp-glu		359.1328	360.1401	360.1365	360.1437
pro-cys-val		359.1501	360.1574	360.1538	360.1610
gly-his-phe		359.1593	360.1666	360.1630	360.1702
ala-glu-val		359.1679	360.1751	360.1715	360.1787
leu-asn-asn		359.1804	360.1877	360.1841	360.1913
ile-asn-asn		359.1804	360.1877	360.1841	360.1913
pro-pro-phe		359.1845	360.1918	360.1882	360.1954
leu-pro-met		359.1878	360.1951	360.1915	360.1987
ile-pro-met		359.1878	360.1951	360.1915	360.1987
gly-gln-arg		359.1917	360.1989	360.1953	360.2025
ala-asn-arg		359.1917	360.1989	360.1953	360.2025
ser-leu-val		359.2042	360.2115	360.2079	360.2151
ser-ile-val		359.2042	360.2115	360.2079	360.2151
asp-leu-leu		359.2056	360.2129	360.2093	360.2165
asp-leu-ile		359.2056	360.2129	360.2093	360.2165
asp-ile-ile		359.2056	360.2129	360.2093	360.2165
lys-gly-arg		359.2281	360.2353	360.2317	360.2389
rosmarinate	C18 H16 O8	360.0845	361.0918	361.0881	361.0954
asn-asn-asn		360.1393	361.1466	361.1430	361.1502
pro-asn-met		360.1467	361.1540	361.1504	361.1576
ser-asn-val		360.1631	361.1704	361.1668	361.1740
leu-asn-asp		360.1645	361.1717	361.1681	361.1753
ile-asn-asp		360.1645	361.1717	361.1681	361.1753
gly-glu-arg		360.1757	361.1830	361.1793	361.1866
ala-asp-arg		360.1757	361.1830	361.1793	361.1866
cortisone	C21 H28 O5	360.1937	361.2009	361.1973	361.2045
arg-try		360.1982	361.2055	361.2019	361.2091
thr-leu-gln		360.2008	361.2081	361.2045	361.2117
thr-ile-gln		360.2008	361.2081	361.2045	361.2117
thr-leu-lys		360.2372	361.2445	361.2409	361.2481

thr-ile-lys		360.2372	361.2445	361.2409	361.2481
his-cys-cys		361.0878	362.0951	362.0915	362.0987
asn-asn-asp		361.1233	362.1306	362.1270	362.1342
pro-asp-met		361.1307	362.1380	362.1344	362.1416
ser-asp-val		361.1471	362.1544	362.1508	362.1580
leu-asp-asp		361.1485	362.1557	362.1521	362.1594
ile-asp-asp		361.1485	362.1557	362.1521	362.1594
ser-gln-gln		361.1597	362.1670	362.1634	362.1706
thr-asn-gln		361.1597	362.1670	362.1634	362.1706
ala-met-val		361.1658	362.1730	362.1694	362.1767
thr-thr-val		361.1835	362.1908	362.1872	362.1944
thr-leu-glu		361.1849	362.1921	362.1885	362.1958
thr-ile-glu		361.1849	362.1921	362.1885	362.1958
ser-gln-lys		361.1961	362.2034	362.1997	362.2070
asn-thr-lys		361.1961	362.2034	362.1997	362.2070
Aldosterone	C21 H29 O5	361.2015	362.2088	362.2051	362.2124
ser-lys-lys		361.2325	362.2398	362.2361	362.2434
asn-asp-asp		362.1073	363.1146	363.1110	363.1182
ser-gln-glu		362.1437	363.1510	363.1474	363.1546
thr-asn-glu		362.1437	363.1510	363.1474	363.1546
thr-asp-gln		362.1437	363.1510	363.1474	363.1546
cys-leu-gln		362.1624	363.1696	363.1660	363.1733
cys-ile-gln		362.1624	363.1696	363.1660	363.1733
gly-thr-try		362.1663	363.1735	363.1699	363.1772
ala-ser-try		362.1663	363.1735	363.1699	363.1772
gly-met-arg		362.1736	363.1809	363.1772	363.1845
ser-lys-glu		362.1801	363.1874	363.1837	363.1910
asp-thr-lys		362.1801	363.1874	363.1837	363.1910
ser-thr-arg		362.1913	363.1986	363.1950	363.2022
cys-leu-lys		362.1987	363.2060	363.2024	363.2096
cys-ile-lys		362.1987	363.2060	363.2024	363.2096
11 β ,21-dihydroxy-3,20-oxo-5 β -pregnan-18-al	C21 H30 O5	362.2093	363.2166	363.2129	363.2202
17 α ,21-dihydroxy-5 β -pregnane-3,11,20-trione	C21 H30 O5	362.2093	363.2166	363.2129	363.2202
18-hydroxycorticosterone	C21 H30 O5	362.2093	363.2166	363.2129	363.2202
aldosterone heiacetal	C21 H30 O5	362.2093	363.2166	363.2129	363.2202
Cortisol	C21 H30 O5	362.2093	363.2166	363.2129	363.2202
guanosine monophosphate (GMP)	C10 H14 N5 O8 P	363.0574	364.0647	364.0610	364.0683
asp-asp-asp		363.0913	364.0986	364.0950	364.1023
cys-asn-gln		363.1212	364.1285	364.1248	364.1321
ser-glu-glu		363.1277	364.1350	364.1314	364.1386
thr-asp-glu		363.1277	364.1350	364.1314	364.1386
thr-cys-val		363.1450	364.1523	364.1487	364.1559

cys-leu-glu		363.1464	364.1536	364.1500	364.1573
cys-ile-glu		363.1464	364.1536	364.1500	364.1573
asn-cys-lys		363.1576	364.1649	364.1612	364.1685
ala-his-his		363.1655	364.1727	364.1691	364.1764
gly-val-phe		363.1780	364.1853	364.1817	364.1890
phe-pro-thr		363.1794	364.1867	364.1830	364.1903
leu-thr-met		363.1828	364.1900	364.1864	364.1937
ile-thr-met		363.1828	364.1900	364.1864	364.1937
5P-ribosyl-5-formamido-4-imidazole carboxamide	C10 H13 N4 O9 P	364.0414	365.0487	365.0450	365.0523
xanthosine-5-phosphate	C10 H13 N4 O9 P	364.0414	365.0487	365.0450	365.0523
cys-asn-glu		364.1052	365.1125	365.1088	365.1161
cys-asp-gln		364.1052	365.1125	365.1088	365.1161
gly-cys-try		364.1278	365.1350	365.1314	365.1387
ser-gln-met		364.1416	365.1489	365.1452	365.1525
thr-asn-met		364.1416	365.1489	365.1452	365.1525
asp-cys-lys		364.1416	365.1489	365.1452	365.1525
ser-cys-arg		364.1528	365.1601	365.1565	365.1638
ala-gln-phe		364.1746	365.1819	365.1783	365.1856
ser-lys-met		364.1780	365.1853	365.1816	365.1889
ala-lys-phe		364.2110	365.2183	365.2146	365.2219
11 β ,17 α ,21-trihydroxy-5 β -pregnane-3,20-dione	C21 H32 O5	364.2250	365.2322	365.2286	365.2359
11 β ,17 α ,21-trihydroxypregnenolone	C21 H32 O5	364.2250	365.2322	365.2286	365.2359
3 α ,11 β ,21-trihydroxy-20-oxo-5 β -pregnan-18-al	C21 H32 O5	364.2250	365.2322	365.2286	365.2359
urocortisone	C21 H32 O5	364.2250	365.2322	365.2286	365.2359
glutathione-carboxymethyl	C12 H19N3 O8 S	365.0892	366.0965	366.0929	366.1002
cys-asp-glu		365.0892	366.0965	366.0929	366.1002
cys-cys-val		365.1065	366.1138	366.1101	366.1175
ser-glu-met		365.1256	366.1329	366.1292	366.1366
thr-asp-met		365.1256	366.1329	366.1292	366.1366
pro-cys-phe		365.1409	366.1482	366.1445	366.1518
met-cys-leu		365.1443	366.1515	366.1479	366.1552
met-cys-ile		365.1443	366.1515	366.1479	366.1552
ser-pro-tyr		365.1586	366.1659	366.1623	366.1696
ala-glu-phe		365.1586	366.1659	366.1623	366.1696
ala-leu-tyr		365.1950	366.2023	366.1986	366.2060
ala-ile-tyr		365.1950	366.2023	366.1986	366.2060
ser-leu-phe		365.1950	366.2023	366.1986	366.2060
ser-ile-phe		365.1950	366.2023	366.1986	366.2060
leu-pro-his		365.2063	366.2135	366.2099	366.2172
ile-pro-his		365.2063	366.2135	366.2099	366.2172
sedoheptulose 1,7 bisphosphate	C7 H12 O13 P2	365.9742	366.9814	366.9778	366.9851
salicin-6P	C13 H19 O10 P	366.0710	367.0783	367.0746	367.0819

cys-asn-met		366.1031	367.1104	367.1067	367.1141
gly-gln-tyr		366.1539	367.1612	367.1575	367.1648
ala-asn-tyr		366.1539	367.1612	367.1575	367.1648
ser-asn-phe		366.1539	367.1612	367.1575	367.1648
pro-asn-his		366.1651	367.1724	367.1687	367.1761
lys-gly-tyr		366.1903	367.1976	367.1939	367.2012
20-COOH-leukotriene B4	C20 H30 O6	366.2042	367.2115	367.2078	367.2152
cortolone	C21 H34 O5	366.2406	367.2479	367.2442	367.2515
urocortisol	C21 H34 O5	366.2406	367.2479	367.2442	367.2515
orotidine-5'-phosphate	C10 H13 N2 O11 P	367.0173	368.0245	368.0209	368.0282
cys-asp-met		367.0871	368.0944	368.0907	368.0981
ser-met-met		367.1235	368.1308	368.1271	368.1345
gly-glu-tyr		367.1379	368.1452	368.1415	368.1489
ala-asp-tyr		367.1379	368.1452	368.1415	368.1489
ser-asp-phe		367.1379	368.1452	368.1415	368.1489
pro-asp-his		367.1491	368.1564	368.1527	368.1601
ala-met-phe		367.1565	368.1638	368.1601	368.1675
tyr-try		367.1605	368.1677	368.1640	368.1714
phe-thr-thr		367.1743	368.1816	368.1779	368.1853
ala-his-val		367.1842	368.1915	368.1878	368.1951
dehydroepiandrosterone sulfate	C19 H28 O5 S	368.1657	369.1730	369.1693	369.1767
gly-his-arg		368.1920	369.1993	369.1956	369.2030
pro-pro-arg		368.2172	369.2244	369.2207	369.2281
11-dehydro-thromboxane B2	C20 H32 O6	368.2199	369.2271	369.2234	369.2308
20-hydroxy-prostaglandin E2	C20 H32 O6	368.2199	369.2271	369.2234	369.2308
6-keto-prostaglandin E1	C20 H32 O6	368.2199	369.2271	369.2234	369.2308
prostaglandin G2	C20 H32 O6	368.2199	369.2271	369.2234	369.2308
cortol	C21 H36 O5	368.2563	369.2635	369.2598	369.2672
zymosterol	C26 H40 O	368.3079	369.3152	369.3115	369.3189
gly-met-tyr		369.1358	370.1431	370.1394	370.1468
thr-cys-phe		369.1358	370.1431	370.1394	370.1468
S-adenosyl homocysteine	C14 H21 N6 O6	369.1522	370.1595	370.1558	370.1632
ser-thr-tyr		369.1536	370.1608	370.1571	370.1645
gly-phe-phe		369.1688	370.1761	370.1724	370.1798
leu-thr-his		369.2012	370.2085	370.2047	370.2122
ile-thr-his		369.2012	370.2085	370.2047	370.2122
pro-leu-val		369.2250	370.2323	370.2286	370.2360
pro-ile-val		369.2250	370.2323	370.2286	370.2360
ser-gln-his		370.1600	371.1673	371.1636	371.1710
thr-asn-his		370.1600	371.1673	371.1636	371.1710
androsterone sulfate	C19 H30 O5 S	370.1814	371.1886	371.1849	371.1924
val-pro-asn		370.1838	371.1911	371.1874	371.1948

ser-lys-his		370.1964	371.2037	371.2000	371.2074
6-keto-prostaglandin F1 α	C20 H34 O6	370.2355	371.2428	371.2391	371.2465
cys-cys-phe		371.0973	372.1046	372.1009	372.1083
ser-cys-tyr		371.1151	372.1223	372.1186	372.1261
ser-glu-his		371.1440	372.1513	372.1476	372.1550
thr-asp-his		371.1440	372.1513	372.1476	372.1550
his-cys-leu		371.1627	372.1700	372.1662	372.1737
his-cys-ile		371.1627	372.1700	372.1662	372.1737
val-pro-asp		371.1679	372.1751	372.1714	372.1789
pro-gln-gln		371.1804	372.1877	372.1840	372.1914
ala-val-val		371.2029	372.2102	372.2064	372.2139
pro-gln-lys		371.2168	372.2241	372.2204	372.2278
pro-lys-lys		371.2532	372.2605	372.2568	372.2642
cys-asn-his		372.1215	373.1288	373.1251	373.1325
pro-gln-glu		372.1645	373.1717	373.1680	373.1755
try-ala-pro		372.1870	373.1943	373.1905	373.1980
pro-lys-glu		372.2008	373.2081	373.2044	373.2118
val-gly-arg		372.2107	373.2180	373.2143	373.2217
pro-thr-arg		372.2121	373.2193	373.2156	373.2231
leu-leu-gln		372.2372	373.2445	373.2408	373.2482
leu-ile-gln		372.2372	373.2445	373.2408	373.2482
leu-leu-lys		372.2736	373.2809	373.2772	373.2846
leu-ile-lys		372.2736	373.2809	373.2772	373.2846
ile-ile-lys		372.2736	373.2809	373.2772	373.2846
cys-asp-his		373.1056	374.1128	374.1091	374.1166
ser-met-his		373.1419	374.1492	374.1455	374.1530
pro-glu-glu		373.1485	374.1557	374.1520	374.1595
ala-his-phe		373.1750	374.1822	374.1785	374.1860
leu-asn-gln		373.1961	374.2034	374.1996	374.2071
ile-asn-gln		373.1961	374.2034	374.1996	374.2071
ala-gln-arg		373.2073	374.2146	374.2108	374.2183
thr-leu-val		373.2199	374.2272	374.2234	374.2309
thr-ile-val		373.2199	374.2272	374.2234	374.2309
leu-leu-glu		373.2212	374.2285	374.2248	374.2323
leu-ile-glu		373.2212	374.2285	374.2248	374.2323
ile-ile-glu		373.2212	374.2285	374.2248	374.2323
asn-leu-lys		373.2325	374.2398	374.2360	374.2435
asn-ile-lys		373.2325	374.2398	374.2360	374.2435
ala-lys-arg		373.2437	374.2510	374.2472	374.2547
asn-asn-gln		374.1549	375.1622	375.1585	375.1660
pro-gln-met		374.1624	375.1696	375.1659	375.1734
cys-pro-arg		374.1736	375.1809	375.1771	375.1846
ser-gln-val		374.1788	375.1860	375.1823	375.1898

thr-asn-val	374.1788	375.1860	375.1823	375.1898	
leu-asn-glu	374.1801	375.1874	375.1836	375.1911	
leu-asp-gln	374.1801	375.1874	375.1836	375.1911	
ile-asn-glu	374.1801	375.1874	375.1836	375.1911	
ile-asp-gln	374.1801	375.1874	375.1836	375.1911	
ala-glu-arg	374.1913	375.1986	375.1949	375.2024	
asn-asn-lys	374.1913	375.1986	375.1949	375.2024	
lys-pro-met	374.1987	375.2060	375.2023	375.2098	
gly-leu-try	374.2026	375.2099	375.2062	375.2137	
gly-ile-try	374.2026	375.2099	375.2062	375.2137	
ser-lys-val	374.2151	375.2224	375.2187	375.2262	
asp-leu-lys	374.2165	375.2238	375.2200	375.2275	
asp-ile-lys	374.2165	375.2238	375.2200	375.2275	
ser-leu-arg	374.2277	375.2350	375.2312	375.2387	
ser-ile-arg	374.2277	375.2350	375.2312	375.2387	
asn-asn-glu	375.1390	376.1462	376.1425	376.1500	
asn-asp-gln	375.1390	376.1462	376.1425	376.1500	
pro-glu-met	375.1464	376.1536	376.1499	376.1574	
gly-his-tyr	375.1542	376.1615	376.1577	376.1653	
asn-gly-try	375.1615	376.1688	376.1650	376.1725	
ser-glu-val	375.1628	376.1700	376.1663	376.1738	
asp-thr-val	375.1628	376.1700	376.1663	376.1738	
leu-asp-glu	375.1641	376.1714	376.1676	376.1752	
ile-asp-glu	375.1641	376.1714	376.1676	376.1752	
thr-gln-gln	375.1753	376.1826	376.1789	376.1864	
asn-asp-lys	375.1753	376.1826	376.1789	376.1864	
pro-pro-tyr	375.1794	376.1867	376.1829	376.1904	
cys-leu-val	375.1814	376.1887	376.1849	376.1924	
cys-ile-val	375.1814	376.1887	376.1849	376.1924	
ser-asn-arg	375.1866	376.1939	376.1901	376.1976	
thr-gln-lys	375.2117	376.2190	376.2152	376.2228	
pro-leu-phe	375.2158	376.2231	376.2193	376.2268	
pro-ile-phe	375.2158	376.2231	376.2193	376.2268	
met-leu-leu	375.2191	376.2264	376.2227	376.2302	
met-leu-ile	375.2191	376.2264	376.2227	376.2302	
met-ile-ile	375.2191	376.2264	376.2227	376.2302	
thr-lys-lys	375.2481	376.2554	376.2516	376.2592	
asn-asp-glu	376.1230	377.1302	377.1265	377.1340	
asp-asp-gln	376.1230	377.1302	377.1265	377.1340	
riboflavin	C17 H20 N4 O6	376.1382	377.1455	377.1417	377.1493
asn-cys-val	376.1403	377.1475	377.1438	377.1513	
asp-gly-try	376.1455	377.1528	377.1490	377.1566	
thr-gln-glu	376.1594	377.1666	377.1629	377.1704	

asp-asp-lys		376.1594	377.1666	377.1629	377.1704
ser-asp-arg		376.1706	377.1779	377.1741	377.1816
pro-asn-phe		376.1746	377.1819	377.1781	377.1857
leu-asn-met		376.1780	377.1853	377.1815	377.1890
ile-asn-met		376.1780	377.1853	377.1815	377.1890
ala-thr-try		376.1819	377.1892	377.1854	377.1930
ala-met-arg		376.1892	377.1965	377.1927	377.2003
thr-lys-glu		376.1958	377.2030	377.1993	377.2068
thr-thr-arg		376.2070	377.2143	377.2105	377.2180
3 α ,-hydroxy-5 β -cholanate	C24 H40 O3	376.2977	377.3050	377.3012	377.3088
asp-asp-glu		377.1070	378.1143	378.1105	378.1180
asp-cys-val		377.1243	378.1316	378.1278	378.1353
gln-cys-gln		377.1369	378.1441	378.1404	378.1479
asn-asn-met		377.1369	378.1441	378.1404	378.1479
thr-glu-glu		377.1434	378.1507	378.1469	378.1544
pro-met-met		377.1443	378.1515	378.1478	378.1553
pro-asp-phe		377.1586	378.1659	378.1621	378.1697
ser-met-val		377.1607	378.1679	378.1642	378.1717
leu-asp-met		377.1620	378.1693	378.1655	378.1731
ile-asp-met		377.1620	378.1693	378.1655	378.1731
cys-gln-lys		377.1732	378.1805	378.1767	378.1843
ala-val-phe		377.1937	378.2010	378.1972	378.2047
cys-lys-lys		377.2096	378.2169	378.2131	378.2207
gln-cys-glu		378.1209	379.1281	379.1244	379.1319
asn-asp-met		378.1209	379.1281	379.1244	379.1319
ala-cys-try		378.1434	379.1507	379.1469	379.1545
thr-gln-met		378.1573	379.1645	379.1607	379.1683
cys-lys-glu		378.1573	379.1645	379.1607	379.1683
ser-ser-try		378.1612	379.1684	379.1647	379.1722
cys-thr-arg		378.1685	379.1758	379.1720	379.1796
lys-thr-met		378.1937	379.2009	379.1971	379.2047
gly-phe-arg		378.2015	379.2088	379.2050	379.2126
S-lactoylglutathione	C13 H21 N3 O8 S	379.1049	380.1122	380.1084	380.1160
glu-cys-glu		379.1049	380.1122	380.1084	380.1160
asp-asp-met		379.1049	380.1122	380.1084	380.1160
thr-glu-met		379.1413	380.1486	380.1448	380.1524
ser-his-his		379.1604	380.1676	380.1638	380.1714
val-gly-tyr		379.1729	380.1802	380.1764	380.1840
pro-thr-tyr		379.1743	380.1816	380.1778	380.1854
thr-leu-phe		379.2107	380.2180	380.2142	380.2218
thr-ile-phe		379.2107	380.2180	380.2142	380.2218
sphingosine 1-phosphate	C18 H38 N O5 P	379.2482	380.2555	380.2517	380.2593

cys-gln-met		380.1188	381.1260	381.1222	381.1299
2-methoxyestrone 3-sulfate	C19 H24 O6 S	380.1293	381.1366	381.1328	381.1404
cys-cys-arg		380.1300	381.1373	381.1335	381.1411
met-cys-lys		380.1552	381.1624	381.1586	381.1662
ala-gln-tyr		380.1695	381.1768	381.1730	381.1806
thr-asn-phe		380.1695	381.1768	381.1730	381.1806
gln-ser-phe		380.1695	381.1768	381.1730	381.1806
pro-gln-his		380.1808	381.1880	381.1842	381.1919
ala-lys-tyr		380.2059	381.2132	381.2094	381.2170
ser-lys-phe		380.2059	381.2132	381.2094	381.2170
lys-pro-his		380.2172	381.2244	381.2206	381.2282
cys-glu-met		381.1028	382.1101	382.1062	382.1139
cys-pro-tyr		381.1358	382.1431	382.1393	382.1469
thr-met-met		381.1392	382.1465	382.1426	382.1503
ala-glu-tyr		381.1536	382.1608	382.1570	382.1647
thr-asp-phe		381.1536	382.1608	382.1570	382.1647
glu-ser-phe		381.1536	382.1608	382.1570	382.1647
pro-glu-his		381.1648	382.1721	382.1682	382.1759
cys-leu-phe		381.1722	382.1795	382.1757	382.1833
cys-ile-phe		381.1722	382.1795	382.1757	382.1833
ser-leu-tyr		381.1899	382.1972	382.1934	382.2010
ser-ile-tyr		381.1899	382.1972	382.1934	382.2010
his-leu-leu		381.2376	382.2448	382.2410	382.2487
his-leu-ile		381.2376	382.2448	382.2410	382.2487
his-ile-ile		381.2376	382.2448	382.2410	382.2487
sphinganine 1-phosphate	C18 H40 N O5 P	381.2638	382.2711	382.2673	382.2749
farnesyl-PP	C15 H28 O7 P2	382.1299	383.1372	383.1333	383.1410
cys-asn-phe		382.1311	383.1383	383.1345	383.1422
2-methoxyestradiol-17β 3-sulfate	C19 H26 O6 S	382.1450	383.1523	383.1484	383.1561
ser-asn-tyr		382.1488	383.1561	383.1522	383.1599
leu-asn-his		382.1964	383.2037	383.1999	383.2075
ile-asn-his		382.1964	383.2037	383.1999	383.2075
ala-his-arg		382.2077	383.2149	383.2111	383.2188
7-dehydrodesmosterol	C27 H42 O	382.3236	383.3308	383.3270	383.3347
cys-met-met		383.1007	384.1080	384.1041	384.1118
cys-asp-phe		383.1151	384.1223	384.1185	384.1262
ser-asp-tyr		383.1328	384.1401	384.1363	384.1439
ala-met-tyr		383.1515	384.1587	384.1549	384.1626
ser-met-phe		383.1515	384.1587	384.1549	384.1626
asn-asn-his		383.1553	384.1626	384.1587	384.1664
pro-met-his		383.1627	384.1700	384.1661	384.1738
thr-thr-tyr		383.1692	384.1765	384.1726	384.1803

ser-his-val		383.1791	384.1864	384.1825	384.1902
leu-asp-his		383.1804	384.1877	384.1839	384.1916
ile-asp-his		383.1804	384.1877	384.1839	384.1916
ala-phe-phe		383.1845	384.1918	384.1879	384.1956
Cholestadien-3 β -ol	C27 H43 O	383.3314	384.3387	384.3348	384.3425
desmosterol	C27 H43 O	383.3314	384.3387	384.3348	384.3425
asn-asp-his		384.1393	385.1466	385.1427	385.1504
thr-gln-his		384.1757	385.1830	385.1791	385.1868
S-adenosyl methionine (SAM)	C15 H24 N6 O6	384.1757	385.1830	385.1791	385.1868
pro-gln-val		384.1995	385.2068	385.2029	385.2106
lys-thr-his		384.2121	385.2193	385.2155	385.2232
pro-lys-val		384.2359	385.2432	385.2393	385.2470
leu-pro-arg		384.2485	385.2557	385.2519	385.2596
ile-pro-arg		384.2485	385.2557	385.2519	385.2596
5 α -cholesta-7,24-dien-3 β -ol	C27 H44 O	384.3392	385.3465	385.3426	385.3503
7-dehydrocholesterol	C27 H44 O	384.3392	385.3465	385.3426	385.3503
cholecalciferol	C27 H44 O	384.3392	385.3465	385.3426	385.3503
cholesten-3 β -ol	C27 H44 O	384.3392	385.3465	385.3426	385.3503
cholestenone	C27 H44 O	384.3392	385.3465	385.3426	385.3503
phosphoribosyl pyrophosphate	C5 H8 O14 P3	384.9110	385.9182	385.9144	385.9221
asp-asp-his		385.1233	386.1306	386.1267	386.1344
cys-thr-tyr		385.1307	386.1380	386.1341	386.1419
thr-glu-his		385.1597	386.1670	386.1631	386.1708
gly-phe-tyr		385.1637	386.1710	386.1672	386.1749
pro-glu-val		385.1835	386.1908	386.1869	386.1946
pro-asn-arg		385.2073	386.2146	386.2107	386.2185
leu-leu-val		385.2563	386.2636	386.2597	386.2674
leu-ile-val		385.2563	386.2636	386.2597	386.2674
ile-ile-val		385.2563	386.2636	386.2597	386.2674
cys-gln-his		386.1372	387.1445	387.1406	387.1483
his-cys-lys		386.1736	387.1809	387.1770	387.1847
pro-asp-arg		386.1913	387.1986	387.1947	387.2025
asn-leu-val		386.2151	387.2224	387.2185	387.2263
asn-ile-val		386.2151	387.2224	387.2185	387.2263
ala-val-arg		386.2264	387.2336	387.2298	387.2375
cholesterol	C27 H46 O	386.3549	387.3621	387.3583	387.3660
Lathosterol	C27 H46 O	386.3549	387.3621	387.3583	387.3660
dUDP	C9 H13 N2 O11 P2	386.9983	388.0056	388.0017	388.0095
dCDP	C9 H15 N3 O10 P2	387.0221	388.0294	388.0255	388.0333
N-acetylneuraminate-9-P	C11 H18 N O12 P	387.0561	388.0633	388.0594	388.0672
tyr-cys-cys		387.0922	388.0995	388.0956	388.1034
cys-glu-his		387.1212	388.1285	388.1246	388.1324

thr-met-his		387.1576	388.1649	388.1610	388.1688
asn-asn-val		387.1740	388.1813	388.1774	388.1852
val-pro-met		387.1814	388.1887	388.1848	388.1926
ser-val-val		387.1978	388.2051	388.2012	388.2090
asp-leu-val		387.1992	388.2064	388.2025	388.2103
asp-ile-val		387.1992	388.2064	388.2025	388.2103
gln-leu-gln		387.2117	388.2190	388.2151	388.2229
gln-ile-gln		387.2117	388.2190	388.2151	388.2229
gly-arg-arg		387.2342	388.2415	388.2376	388.2454
leu-gln-lys		387.2481	388.2554	388.2515	388.2593
ile-gln-lys		387.2481	388.2554	388.2515	388.2593
leu-lys-lys		387.2845	388.2918	388.2879	388.2957
ile-lys-lys		387.2845	388.2918	388.2879	388.2957
asn-asp-val		388.1580	389.1653	389.1614	389.1692
asn-gln-gln		388.1706	389.1779	389.1740	389.1818
try-ser-pro		388.1819	389.1892	389.1853	389.1931
thr-gln-val		388.1944	389.2017	389.1978	389.2056
gln-leu-glu		388.1958	389.2030	389.1991	389.2069
gln-ile-glu		388.1958	389.2030	389.1991	389.2069
asn-gln-lys		388.2070	389.2143	389.2104	389.2181
ala-leu-try		388.2183	389.2256	389.2217	389.2295
ala-ile-try		388.2183	389.2256	389.2217	389.2295
thr-lys-val		388.2308	389.2381	389.2342	389.2420
leu-lys-glu		388.2321	389.2394	389.2355	389.2433
ile-lys-glu		388.2321	389.2394	389.2355	389.2433
leu-thr-arg		388.2434	389.2506	389.2468	389.2545
ile-thr-arg		388.2434	389.2506	389.2468	389.2545
asn-lys-lys		388.2434	389.2506	389.2468	389.2545
5'-acetylphosphoadenosine	C12 H16 N5 O8 P	389.0730	390.0803	390.0764	390.0842
cys-met-his		389.1191	390.1264	390.1225	390.1303
asp-asp-val		389.1420	390.1493	390.1454	390.1532
asn-gln-glu		389.1546	390.1619	390.1580	390.1658
asp-gln-gln		389.1546	390.1619	390.1580	390.1658
ala-his-tyr		389.1699	390.1772	390.1733	390.1811
ser-his-phe		389.1699	390.1772	390.1733	390.1811
gly-gln-try		389.1772	390.1844	390.1805	390.1883
ala-asn-try		389.1772	390.1844	390.1805	390.1883
thr-glu-val		389.1784	390.1857	390.1818	390.1896
glu-leu-glu		389.1798	390.1870	390.1831	390.1909
glu-ile-glu		389.1798	390.1870	390.1831	390.1909
pro-his-his		389.1811	390.1884	390.1845	390.1923
asn-lys-glu		389.1910	390.1983	390.1944	390.2022

asp-gln-lys		389.1910	390.1983	390.1944	390.2022
ser-gln-arg		389.2022	390.2095	390.2056	390.2134
thr-asn-arg		389.2022	390.2095	390.2056	390.2134
gly-lys-try		389.2135	390.2208	390.2169	390.2247
asp-lys-lys		389.2274	390.2347	390.2308	390.2386
ser-lys-arg		389.2386	390.2459	390.2420	390.2498
calcidiol	C27 H44 O2	389.2480	390.2553	390.2514	390.2592
acetyl adenylate	C12 H17 N5 O8 P	390.0809	391.0881	391.0842	391.0921
asn-glu-glu		390.1386	391.1459	391.1420	391.1498
asp-gln-glu		390.1386	391.1459	391.1420	391.1498
cys-gln-val		390.1559	391.1632	391.1593	391.1671
gly-glu-try		390.1612	391.1684	391.1645	391.1724
ala-asp-try		390.1612	391.1684	391.1645	391.1724
asp-lys-glu		390.1750	391.1823	391.1784	391.1862
try-try		390.1837	391.1910	391.1871	391.1949
ser-glu-arg		390.1862	391.1935	391.1896	391.1974
thr-asp-arg		390.1862	391.1935	391.1896	391.1974
phe-pro-gln		390.1903	391.1976	391.1936	391.2015
cys-lys-val		390.1923	391.1996	391.1957	391.2035
leu-gln-met		390.1937	391.2009	391.1970	391.2048
ile-gln-met		390.1937	391.2009	391.1970	391.2048
arg-cys-leu		390.2049	391.2122	391.2082	391.2161
arg-cys-ile		390.2049	391.2122	391.2082	391.2161
pro-lys-phe		390.2267	391.2339	391.2300	391.2379
met-leu-lys		390.2300	391.2373	391.2334	391.2412
met-ile-lys		390.2300	391.2373	391.2334	391.2412
3 α ,12 α -dihydroxy-5 β -chol-5-enoate	C24 H38 O4	390.2770	391.2843	391.2804	391.2882
3 α -hydroxy-12-oxo-5 β -cholanate	C24 H38 O4	390.2770	391.2843	391.2804	391.2882
asp-glu-glu		391.1226	392.1299	392.1260	392.1338
cys-glu-val		391.1399	392.1472	392.1433	392.1511
asn-gln-met		391.1525	392.1598	392.1559	392.1637
cys-asn-arg		391.1637	392.1710	392.1671	392.1749
phe-pro-glu		391.1743	392.1816	392.1777	392.1855
met-thr-val		391.1763	392.1836	392.1797	392.1875
leu-glu-met		391.1777	392.1849	392.1810	392.1889
ile-glu-met		391.1777	392.1849	392.1810	392.1889
asn-lys-met		391.1889	392.1962	392.1923	392.2001
leu-pro-tyr		391.2107	392.2180	392.2140	392.2219
ile-pro-tyr		391.2107	392.2180	392.2140	392.2219
leu-leu-phe		391.2471	392.2544	392.2504	392.2583
leu-ile-phe		391.2471	392.2544	392.2504	392.2583
ile-ile-phe		391.2471	392.2544	392.2504	392.2583

asn-glu-met		392.1365	393.1438	393.1399	393.1477
asp-gln-met		392.1365	393.1438	393.1399	393.1477
cys-asp-arg		392.1478	393.1550	393.1511	393.1590
met-gly-try		392.1591	393.1663	393.1624	393.1703
pro-asn-tyr		392.1695	393.1768	393.1729	393.1807
asp-lys-met		392.1729	393.1802	393.1763	393.1841
ser-thr-try		392.1768	393.1841	393.1802	393.1880
ser-met-arg		392.1841	393.1914	393.1875	393.1953
leu-asn-phe		392.2059	393.2132	393.2093	393.2171
ile-asn-phe		392.2059	393.2132	393.2093	393.2171
ala-phe-arg		392.2172	393.2244	393.2205	393.2284
chenodeoxycholate	C24 H40 O4	392.2926	393.2999	393.2960	393.3038
deoxycholate	C24 H40 O4	392.2926	393.2999	393.2960	393.3038
ergosta-5,7,22,24,(28)-tetraen-3 β -ol	C28 H40 O	392.3079	393.3152	393.3113	393.3191
asp-glu-met		393.1205	394.1278	394.1239	394.1318
met-cys-val		393.1378	394.1451	394.1412	394.1490
pro-asp-tyr		393.1536	394.1608	394.1569	394.1648
asn-asn-phe		393.1648	394.1721	394.1681	394.1760
pro-met-phe		393.1722	394.1795	394.1755	394.1834
leu-met-met		393.1756	394.1828	394.1789	394.1868
ile-met-met		393.1756	394.1828	394.1789	394.1868
thr-his-his		393.1760	394.1833	394.1794	394.1872
ala-val-tyr		393.1886	394.1959	394.1919	394.1998
ser-val-phe		393.1886	394.1959	394.1919	394.1998
leu-asp-phe		393.1899	394.1972	394.1933	394.2012
ile-asp-phe		393.1899	394.1972	394.1933	394.2012
val-pro-his		393.1998	394.2071	394.2032	394.2110
asn-met-met		394.1344	395.1417	395.1377	395.1456
ser-cys-try		394.1383	395.1456	395.1417	395.1496
asn-asp-phe		394.1488	395.1561	395.1521	395.1600
phe-thr-gln		394.1852	395.1925	395.1885	395.1964
gly-arg-tyr		394.1964	395.2037	395.1997	395.2076
phe-thr-lys		394.2216	395.2289	395.2249	395.2328
ergosterol	C28 H42 O	394.3236	395.3308	395.3269	395.3348
adenosine monophosphate	C10 H14 N5 O7 P	395.0472	396.0545	396.0505	396.0584
asp-met-met		395.1184	396.1257	396.1218	396.1297
asp-asp-phe		395.1328	396.1401	396.1361	396.1441
cys-his-his		395.1375	396.1448	396.1408	396.1488
phe-thr-glu		395.1692	396.1765	396.1725	396.1804
leu-thr-tyr		395.2056	396.2129	396.2089	396.2168
ile-thr-tyr		395.2056	396.2129	396.2089	396.2168
phe-cys-gln		396.1467	397.1540	397.1500	397.1579

ser-gln-tyr		396.1645	397.1717	397.1678	397.1757
thr-asn-tyr		396.1645	397.1717	397.1678	397.1757
cys-lys-phe		396.1831	397.1904	397.1864	397.1943
ser-lys-tyr		396.2008	397.2081	397.2041	397.2121
leu-gln-his		396.2121	397.2193	397.2154	397.2233
ile-gln-his		396.2121	397.2193	397.2154	397.2233
his-leu-lys		396.2485	397.2557	397.2518	397.2597
his-ile-lys		396.2485	397.2557	397.2518	397.2597
ergocalciferol	C28 H44 O	396.3392	397.3465	397.3425	397.3505
phe-cys-glu		397.1307	398.1380	398.1340	398.1420
ser-glu-tyr		397.1485	398.1557	398.1518	398.1597
thr-asp-tyr		397.1485	398.1557	398.1518	398.1597
thr-met-phe		397.1671	398.1744	398.1704	398.1784
tyr-cys-leu		397.1671	398.1744	398.1704	398.1784
tyr-cys-ile		397.1671	398.1744	398.1704	398.1784
asn-gln-his		397.1709	398.1782	398.1742	398.1822
his-thr-val		397.1947	398.2020	398.1980	398.2060
leu-glu-his		397.1961	398.2034	398.1994	398.2073
ile-glu-his		397.1961	398.2034	398.1994	398.2073
asn-lys-his		397.2073	398.2146	398.2106	398.2186
pro-val-val		397.2185	398.2258	398.2218	398.2298
cys-asn-tyr		398.1260	399.1332	399.1292	399.1372
asn-glu-his		398.1549	399.1622	399.1582	399.1662
asp-gln-his		398.1549	399.1622	399.1582	399.1662
his-gly-try		398.1775	399.1848	399.1808	399.1888
asp-lys-his		398.1913	399.1986	399.1946	399.2026
ser-his-arg		398.2026	399.2098	399.2058	399.2138
pro-pro-try		398.2026	399.2099	399.2059	399.2139
cys-asp-tyr		399.1100	400.1173	400.1133	400.1213
cys-met-phe		399.1286	400.1359	400.1319	400.1399
asp-glu-his		399.1390	400.1462	400.1422	400.1502
ser-met-tyr		399.1464	400.1536	400.1496	400.1576
his-cys-val		399.1562	400.1635	400.1595	400.1675
ala-phe-tyr		399.1794	400.1867	400.1827	400.1907
phe-ser-phe		399.1794	400.1867	400.1827	400.1907
pro-his-phe		399.1906	400.1979	400.1939	400.2019
leu-met-his		399.1940	400.2013	400.1973	400.2053
ile-met-his		399.1940	400.2013	400.1973	400.2053
pro-gln-arg		399.2230	400.2302	400.2262	400.2342
lys-pro-arg		399.2594	400.2666	400.2626	400.2706
palmitylcarnitine	C23 H45 N O4	399.3348	400.3421	400.3381	400.3461
asn-met-his		400.1528	401.1601	401.1561	401.1641
pro-glu-arg		400.2070	401.2143	401.2102	401.2183

leu-gln-val		400.2308	401.2381	401.2341	401.2421
ile-gln-val		400.2308	401.2381	401.2341	401.2421
leu-lys-val		400.2672	401.2745	401.2704	401.2785
ile-lys-val		400.2672	401.2745	401.2704	401.2785
arg-leu-leu		400.2798	401.2870	401.2830	401.2910
arg-leu-ile		400.2798	401.2870	401.2830	401.2910
arg-ile-ile		400.2798	401.2870	401.2830	401.2910
4 α -methylcholesta-8-ene-3 β -ol	C28 H48 O	400.3705	401.3778	401.3738	401.3818
methostenol	C28 H48 O	400.3705	401.3778	401.3738	401.3818
phytoene	C28 H48 O	400.3705	401.3778	401.3738	401.3818
asp-met-his		401.1369	402.1441	402.1401	402.1482
gly-tyr-tyr		401.1586	402.1659	402.1619	402.1699
asn-gln-val		401.1896	402.1969	402.1929	402.2009
thr-val-val		401.2135	402.2207	402.2167	402.2248
leu-glu-val		401.2148	402.2221	402.2181	402.2261
ile-glu-val		401.2148	402.2221	402.2181	402.2261
asn-lys-val		401.2260	402.2333	402.2293	402.2373
leu-asn-arg		401.2386	402.2459	402.2419	402.2499
ile-asn-arg		401.2386	402.2459	402.2419	402.2499
ala-arg-arg		401.2498	402.2571	402.2531	402.2611
4P-N-pantothenoylcysteine	C12 H23 N2 O9 S P	402.0856	403.0929	403.0888	403.0969
asn-glu-val		402.1737	403.1809	403.1769	403.1850
asp-gln-val		402.1737	403.1809	403.1769	403.1850
gln-gln-gln		402.1862	403.1935	403.1895	403.1975
gly-val-try		402.1962	403.2035	403.1995	403.2075
asn-asn-arg		402.1975	403.2047	403.2007	403.2088
pro-thr-try		402.1976	403.2048	403.2008	403.2089
pro-met-arg		402.2049	403.2122	403.2081	403.2162
asp-lys-val		402.2101	403.2173	403.2133	403.2214
ser-val-arg		402.2213	403.2286	403.2245	403.2326
gln-gln-lys		402.2226	403.2299	403.2259	403.2339
leu-asp-arg		402.2226	403.2299	403.2259	403.2339
gln-lys-lys		402.2590	403.2663	403.2623	403.2703
20 α -hydroxycholesterol	C27 H46 O2	402.3498	403.3570	403.3530	403.3611
22 β -hydroxycholesterol	C27 H46 O2	402.3498	403.3570	403.3530	403.3611
7 α -hydroxycholest-4-en-3-one	C27 H46 O2	402.3498	403.3570	403.3530	403.3611
7 α -hydroxycholesterol	C27 H46 O2	402.3498	403.3570	403.3530	403.3611
cholesterol-5 α ,6 α -epoxide	C27 H46 O2	402.3498	403.3570	403.3530	403.3611
cholesterol-5 β ,6 β -epoxide	C27 H46 O2	402.3498	403.3570	403.3530	403.3611
cytidine diphosphate (CDP)	C9 H15 N3 O11 P2	403.0170	404.0243	404.0203	404.0283
asp-glu-val		403.1577	404.1650	404.1609	404.1690
gln-gln-glu		403.1703	404.1775	404.1735	404.1816

cys-val-val		403.1750	404.1822	404.1782	404.1863
asn-asp-arg		403.1815	404.1888	404.1847	404.1928
thr-his-phe		403.1855	404.1928	404.1888	404.1968
ala-gln-try		403.1928	404.2001	404.1960	404.2041
gln-lys-glu		403.2066	404.2139	404.2099	404.2180
pro-val-phe		403.2093	404.2166	404.2126	404.2207
met-leu-val		403.2127	404.2200	404.2159	404.2240
met-ile-val		403.2127	404.2200	404.2159	404.2240
thr-gln-arg		403.2179	404.2252	404.2211	404.2292
ala-lys-try		403.2292	404.2365	404.2324	404.2405
lys-lys-glu		403.2430	404.2503	404.2463	404.2544
lys-thr-arg		403.2543	404.2615	404.2575	404.2656
uridine diphosphate (UDP)	C ₉ H ₁₄ N ₂ O ₁₂ P ₂	404.0010	405.0083	405.0043	405.0124
gln-glu-glu		404.1543	405.1615	405.1575	405.1656
pro-cys-try		404.1591	405.1663	405.1623	405.1704
asp-asp-arg		404.1655	405.1728	405.1687	405.1768
asn-met-val		404.1716	405.1788	405.1748	405.1829
ala-glu-try		404.1768	405.1841	405.1800	405.1881
glu-lys-glu		404.1907	405.1979	405.1939	405.2020
thr-glu-arg		404.2019	405.2092	405.2051	405.2132
ser-leu-try		404.2132	405.2205	405.2164	405.2245
ser-ile-try		404.2132	405.2205	405.2164	405.2245
		404.2560	405.2633	405.2592	405.2673
7 α -hydroxy-5 β -cholestan-3-one	C ₂₇ H ₄₈ O ₂	404.3654	405.3727	405.3686	405.3768
glu-glu-glu		405.1383	406.1456	406.1415	406.1496
cys-his-phe		405.1470	406.1543	406.1503	406.1584
asp-met-val		405.1556	406.1629	406.1588	406.1669
ser-his-tyr		405.1648	406.1721	406.1680	406.1761
gln-gln-met		405.1682	406.1754	406.1714	406.1795
ser-asn-try		405.1721	406.1793	406.1753	406.1834
cys-gln-arg		405.1794	406.1867	406.1826	406.1907
lys-gln-met		405.2045	406.2118	406.2078	406.2159
leu-his-his		405.2124	406.2197	406.2156	406.2237
ile-his-his		405.2124	406.2197	406.2156	406.2237
arg-cys-lys		405.2158	406.2231	406.2190	406.2271
met-lys-lys		405.2409	406.2482	406.2441	406.2523
gln-glu-met		406.1522	407.1594	407.1554	407.1635
ser-asp-try		406.1561	407.1634	407.1593	407.1674
cys-glu-arg		406.1634	407.1707	407.1666	407.1747
asn-his-his		406.1713	407.1785	407.1745	407.1826
ala-met-try		406.1747	407.1820	407.1779	407.1861
pro-gln-tyr		406.1852	407.1925	407.1884	407.1965

lys-glu-met		406.1886	407.1958	407.1918	407.1999
thr-thr-try		406.1925	407.1997	407.1957	407.2038
thr-met-arg		406.1998	407.2071	407.2030	407.2111
lys-pro-tyr		406.2216	407.2289	407.2248	407.2329
phe-leu-gln		406.2216	407.2289	407.2248	407.2329
phe-ile-gln		406.2216	407.2289	407.2248	407.2329
leu-lys-phe		406.2580	407.2652	407.2612	407.2693
ile-lys-phe		406.2580	407.2652	407.2612	407.2693
3 α ,7 α -dihydroxy-5 β -cholestane	C27 H50 O2	406.3811	407.3883	407.3843	407.3924
glu-glu-met		407.1362	408.1435	408.1394	408.1475
asp-his-his		407.1553	408.1626	408.1585	408.1666
pro-glu-tyr		407.1692	408.1765	408.1724	408.1806
gln-asn-phe		407.1804	408.1877	408.1836	408.1918
phe-thr-val		407.2042	408.2115	408.2074	408.2156
phe-leu-glu		407.2056	408.2129	408.2088	408.2170
phe-ile-glu		407.2056	408.2129	408.2088	408.2170
asn-lys-phe		407.2168	408.2241	408.2200	408.2282
tyr-leu-leu		407.2420	408.2493	408.2452	408.2533
tyr-leu-ile		407.2420	408.2493	408.2452	408.2533
tyr-ile-ile		407.2420	408.2493	408.2452	408.2533
gln-met-met		408.1501	409.1573	409.1533	409.1614
thr-cys-try		408.1540	409.1613	409.1572	409.1653
cys-met-arg		408.1613	409.1686	409.1645	409.1727
gln-asp-phe		408.1645	409.1717	409.1676	409.1758
glu-asn-phe		408.1645	409.1717	409.1676	409.1758
lys-met-met		408.1865	409.1937	409.1896	409.1978
phe-gly-try		408.1870	409.1943	409.1902	409.1984
leu-asn-tyr		408.2008	409.2081	409.2040	409.2122
ile-asn-tyr		408.2008	409.2081	409.2040	409.2122
asp-lys-phe		408.2008	409.2081	409.2040	409.2122
ala-arg-tyr		408.2121	409.2193	409.2153	409.2234
ser-phe-arg		408.2121	409.2193	409.2153	409.2234
pro-his-arg		408.2233	409.2306	409.2265	409.2347
cholate	C24 H40 O5	408.2876	409.2948	409.2907	409.2989
glu-met-met		409.1341	410.1414	410.1373	410.1455
glu-asp-phe		409.1485	410.1557	410.1516	410.1598
asn-asn-tyr		409.1597	410.1670	410.1629	410.1711
cys-val-phe		409.1658	410.1730	410.1689	410.1771
pro-met-tyr		409.1671	410.1744	410.1703	410.1785
ser-val-tyr		409.1835	410.1908	410.1867	410.1949
leu-asp-tyr		409.1849	410.1921	410.1880	410.1962
ile-asp-tyr		409.1849	410.1921	410.1880	410.1962
pro-phe-phe		409.2001	410.2074	410.2033	410.2115

leu-met-phe		409.2035	410.2108	410.2067	410.2149
ile-met-phe		409.2035	410.2108	410.2067	410.2149
his-leu-val		409.2311	410.2384	410.2343	410.2425
his-ile-val		409.2311	410.2384	410.2343	410.2425
cys-cys-try		410.1155	411.1228	411.1187	411.1269
asn-asp-tyr		410.1437	411.1510	411.1469	411.1551
asn-met-phe		410.1624	411.1696	411.1655	411.1737
thr-gln-tyr		410.1801	411.1874	411.1833	411.1915
asn-his-val		410.1900	411.1973	411.1931	411.2014
lys-thr-tyr		410.2165	411.2238	411.2197	411.2279
squalene	C30 H50	410.3913	411.3985	411.3944	411.4026
dADP	C10 H15 N5 O9 P2	411.0333	412.0406	412.0365	412.0447
asp-asp-tyr		411.1277	412.1350	412.1309	412.1391
met-met-met		411.1320	412.1393	412.1351	412.1434
asp-met-phe		411.1464	412.1536	412.1495	412.1578
thr-glu-tyr		411.1641	412.1714	412.1673	412.1755
asp-his-val		411.1740	412.1813	412.1772	412.1854
gln-gln-his		411.1866	412.1939	412.1897	412.1980
lys-gln-his		411.2230	412.2302	412.2261	412.2344
his-lys-lys		411.2594	412.2666	412.2625	412.2708
stigmasterol	C29 H47 O	411.3627	412.3700	412.3658	412.3741
dIDP	C10 H14 N4 O10 P2	412.0174	413.0246	413.0205	413.0288
cys-gln-tyr		412.1416	413.1489	413.1448	413.1530
gln-glu-his		412.1706	413.1779	413.1737	413.1820
tyr-cys-lys		412.1780	413.1853	413.1811	413.1894
ala-his-try		412.1931	413.2004	413.1963	413.2045
lys-glu-his		412.2070	413.2143	413.2101	413.2184
thr-his-arg		412.2182	413.2255	413.2214	413.2296
val-pro-arg		412.2420	413.2493	413.2452	413.2534
cys-glu-tyr		413.1256	414.1329	414.1288	414.1370
glu-glu-his		413.1546	414.1619	414.1577	414.1660
thr-met-tyr		413.1620	414.1693	414.1652	414.1734
thr-phe-phe		413.1950	414.2023	414.1982	414.2065
leu-val-val		413.2498	414.2571	414.2530	414.2613
ile-val-val		413.2498	414.2571	414.2530	414.2613
gln-met-his		414.1685	415.1758	415.1716	415.1799
cys-his-arg		414.1797	415.1870	415.1828	415.1911
lys-met-his		414.2049	415.2122	415.2080	415.2163
asn-val-val		414.2087	415.2160	415.2118	415.2201
pro-leu-try		414.2339	415.2412	415.2371	415.2454
pro-ile-try		414.2339	415.2412	415.2371	415.2454
cys-met-tyr		415.1235	416.1308	416.1266	416.1350

glu-met-his		415.1525	416.1598	416.1556	416.1639
cys-phe-phe		415.1565	416.1638	416.1597	416.1680
ala-tyr-tyr		415.1743	416.1816	416.1774	416.1857
ser-phe-tyr		415.1743	416.1816	416.1774	416.1857
pro-his-tyr		415.1855	416.1928	416.1886	416.1970
asp-val-val		415.1927	416.2000	416.1958	416.2042
try-pro-asn		415.1928	416.2001	416.1959	416.2042
gln-gln-val		415.2053	416.2126	416.2084	416.2167
leu-his-phe		415.2219	416.2292	416.2250	416.2334
ile-his-phe		415.2219	416.2292	416.2250	416.2334
gln-lys-val		415.2417	416.2490	416.2448	416.2531
leu-gln-arg		415.2543	416.2615	416.2574	416.2657
ile-gln-arg		415.2543	416.2615	416.2574	416.2657
lys-lys-val		415.2781	416.2854	416.2812	416.2895
arg-leu-lys		415.2907	416.2979	416.2938	416.3021
arg-ile-lys		415.2907	416.2979	416.2938	416.3021
inositol triphosphate	C6 H11 O15 P3	415.9294	416.9366	416.9325	416.9408
try-pro-asp		416.1768	417.1841	417.1799	417.1883
asn-his-phe		416.1808	417.1880	417.1839	417.1922
gln-glu-val		416.1893	417.1966	417.1924	417.2008
ala-val-try		416.2119	417.2191	417.2150	417.2233
asn-gln-arg		416.2131	417.2204	417.2162	417.2246
lys-glu-val		416.2257	417.2330	417.2288	417.2371
val-thr-arg		416.2369	417.2442	417.2400	417.2484
leu-glu-arg		416.2383	417.2456	417.2414	417.2497
ile-glu-arg		416.2383	417.2456	417.2414	417.2497
asn-lys-arg		416.2495	417.2568	417.2526	417.2610
1,25-dihydroxycalciferol	C27 H44 O3	416.3290	417.3363	417.3321	417.3405
calcitriol	C27 H44 O3	416.3290	417.3363	417.3321	417.3405
dihydroxycholecalciferol	C27 H44 O3	416.3290	417.3363	417.3321	417.3405
met-met-his		417.1504	418.1577	418.1535	418.1619
asp-his-phe		417.1648	418.1721	418.1679	418.1762
glu-glu-val		417.1733	418.1806	418.1764	418.1848
asn-glu-arg		417.1971	418.2044	418.2002	418.2086
asp-gln-arg		417.1971	418.2044	418.2002	418.2086
arg-gly-try		417.2197	418.2270	418.2228	418.2311
asp-lys-arg		417.2335	418.2408	418.2366	418.2450
ser-arg-arg		417.2448	418.2520	418.2478	418.2562
5'-butyrylphosphoinosine	C14 H19 N4 O9 P	418.0884	419.0956	419.0914	419.0998
asp-glu-arg		418.1812	419.1884	419.1842	419.1926
met-gln-val		418.1872	419.1945	419.1903	419.1987
arg-cys-val		418.1984	419.2057	419.2015	419.2099

met-lys-val		418.2236	419.2309	419.2267	419.2351
thr-leu-try		418.2289	419.2361	419.2319	419.2403
thr-ile-try		418.2289	419.2361	419.2319	419.2403
pro-phe-arg		418.2328	419.2401	419.2359	419.2443
leu-met-arg		418.2362	419.2435	419.2393	419.2476
ile-met-arg		418.2362	419.2435	419.2393	419.2476
17 α ,20 α -dihydroxycholesterol	C27 H46 O3	418.3447	419.3520	419.3478	419.3562
20 α ,22 β -dihydroxycholesterol	C27 H46 O3	418.3447	419.3520	419.3478	419.3562
3 α ,7 α -dihydroxy-5 β -cholestan-26-al	C27 H46 O3	418.3447	419.3520	419.3478	419.3562
7 α ,12 α -dihydroxy-5 α -cholestan-3-one	C27 H46 O3	418.3447	419.3520	419.3478	419.3562
7 α ,12 α -dihydroxy-cholest-4-en-3-one	C27 H46 O3	418.3447	419.3520	419.3478	419.3562
met-glu-val		419.1712	420.1785	420.1743	420.1827
thr-his-tyr		419.1804	420.1877	420.1835	420.1919
ser-gln-try		419.1877	420.1950	420.1908	420.1992
asn-thr-try		419.1877	420.1950	420.1908	420.1992
asn-met-arg		419.1950	420.2023	420.1981	420.2065
val-pro-tyr		419.2042	420.2115	420.2073	420.2157
ser-lys-try		419.2241	420.2314	420.2272	420.2356
leu-val-phe		419.2406	420.2479	420.2437	420.2521
ile-val-phe		419.2406	420.2479	420.2437	420.2521
ser-glu-try		420.1717	421.1790	421.1748	421.1832
asp-thr-try		420.1717	421.1790	421.1748	421.1832
asp-met-arg		420.1791	421.1863	421.1821	421.1905
gln-his-his		420.1869	421.1942	421.1900	421.1984
cys-leu-try		420.1904	421.1976	421.1934	421.2019
cys-ile-try		420.1904	421.1976	421.1934	421.2019
asn-val-phe		420.1995	421.2068	421.2026	421.2110
lys-his-his		420.2233	421.2306	421.2264	421.2348
3,7,11 phytanic acid	C29 H40 O2	420.3028	421.3101	421.3059	421.3143
3 β ,5 α ,6 β -cholestanetriole	C27 H48 O3	420.3603	421.3676	421.3634	421.3718
7 α ,12 α -dihydroxy-5 β -cholestan-3-one	C27 H48 O3	420.3603	421.3676	421.3634	421.3718
cys-his-tyr		421.1419	422.1492	422.1450	422.1534
asn-cys-try		421.1492	422.1565	422.1523	422.1607
met-met-val		421.1691	422.1764	422.1722	422.1806
glu-his-his		421.1709	422.1782	422.1740	422.1824
asp-val-phe		421.1835	422.1908	422.1866	422.1950
phe-gln-gln		421.1961	422.2034	422.1991	422.2076
phe-gln-lys		421.2325	422.2398	422.2355	422.2440
lys-lys-phe		421.2689	422.2761	422.2719	422.2804
lactose 6-phosphate	C12 H23 O14 P	422.0819	423.0892	423.0850	423.0934
Maltose 6-phosphate	C12 H23 O14 P	422.0819	423.0892	423.0850	423.0934
sucrose 6-phosphate	C12 H23 O14 P	422.0819	423.0892	423.0850	423.0934
trehalose 6-phosphate	C12 H23 O14 P	422.0819	423.0892	423.0850	423.0934

asp-cys-try		422.1332	423.1405	423.1363	423.1447
ser-met-try		422.1696	423.1769	423.1727	423.1811
phe-gln-glu		422.1801	423.1874	423.1831	423.1916
ala-phe-try		422.2026	423.2099	423.2057	423.2142
leu-gln-tyr		422.2165	423.2238	423.2195	423.2280
ile-gln-tyr		422.2165	423.2238	423.2195	423.2280
phe-lys-glu		422.2165	423.2238	423.2195	423.2280
thr-phe-arg		422.2277	423.2350	423.2308	423.2392
tyr-leu-lys		422.2529	423.2602	423.2559	423.2644
tyr-ile-lys		422.2529	423.2602	423.2559	423.2644
3 α , 7 α , 12 α -trihydroxy-5 β -cholestane	C27 H50 O3	422.3760	423.3833	423.3790	423.3875
phe-glu-glu		423.1641	424.1714	424.1672	424.1756
met-his-his		423.1688	424.1761	424.1719	424.1803
asn-gln-tyr		423.1753	424.1826	424.1784	424.1869
val-thr-tyr		423.1992	424.2064	424.2022	424.2107
leu-glu-tyr		423.2005	424.2078	424.2035	424.2120
ile-glu-tyr		423.2005	424.2078	424.2035	424.2120
asn-lys-tyr		423.2117	424.2190	424.2148	424.2233
asn-glu-tyr		424.1594	425.1666	425.1624	425.1709
asp-gln-tyr		424.1594	425.1666	425.1624	425.1709
chitobiose	C16 H28 N2 O11	424.1693	425.1765	425.1723	425.1808
gln-met-phe		424.1780	425.1853	425.1810	425.1895
tyr-gly-try		424.1819	425.1892	425.1849	425.1934
cys-phe-arg		424.1892	425.1965	425.1923	425.2008
asp-lys-tyr		424.1958	425.2030	425.1988	425.2073
his-gln-val		424.2056	425.2129	425.2087	425.2172
ser-arg-tyr		424.2070	425.2143	425.2100	425.2185
lys-met-phe		424.2144	425.2217	425.2174	425.2259
his-lys-val		424.2420	425.2493	425.2450	425.2535
leu-his-arg		424.2546	425.2619	425.2576	425.2661
ile-his-arg		424.2546	425.2619	425.2576	425.2661
thiamine pyrophosphate (TPP)	C12 H19 N4 O7 S P2	425.0438	426.0511	426.0468	426.0554
asp-glu-tyr		425.1434	426.1507	426.1464	426.1549
tyr-cys-val		425.1607	426.1679	426.1637	426.1722
glu-met-phe		425.1620	426.1693	426.1650	426.1736
his-glu-val		425.1896	426.1969	426.1927	426.2012
pro-phe-tyr		425.1950	426.2023	426.1980	426.2066
leu-met-tyr		425.1984	426.2057	426.2014	426.2099
ile-met-tyr		425.1984	426.2057	426.2014	426.2099
asn-his-arg		425.2135	426.2207	426.2165	426.2250
leu-phe-phe		425.2314	426.2387	426.2344	426.2430
ile-phe-phe		425.2314	426.2387	426.2344	426.2430

phytyl diphosphate	C20 H42 O7 P	425.2662	426.2735	426.2692	426.2778
asn-met-tyr		426.1573	427.1645	427.1603	427.1688
asn-phe-phe		426.1903	427.1976	427.1933	427.2018
asp-his-arg		426.1975	427.2047	427.2005	427.2090
14-desmethyl-lanosterol	C30 H50 O	426.3862	427.3934	427.3892	427.3977
cycloartenol	C30 H50 O	426.3862	427.3934	427.3892	427.3977
lanosterol	C30 H50 O	426.3862	427.3934	427.3892	427.3977
squalene-2,3-epoxide	C30 H50 O	426.3862	427.3934	427.3892	427.3977
adenosine diphosphate	C10 H15 N5 O10 P2	427.0282	428.0355	428.0312	428.0398
adenosine-3',5'-diphosphate (PAP)	C10 H15 N5 O10 P2	427.0282	428.0355	428.0312	428.0398
dGDP	C10 H15 N5 O10 P2	427.0282	428.0355	428.0312	428.0398
asp-met-tyr		427.1413	428.1486	428.1443	428.1528
met-met-phe		427.1599	428.1672	428.1629	428.1715
phe-asp-phe		427.1743	428.1816	428.1773	428.1859
met-his-val		427.1875	428.1948	428.1905	428.1991
pro-arg-arg		427.2655	428.2728	428.2685	428.2771
inosine diphosphate	C10 H14 N4 O11 P2	428.0123	429.0195	429.0152	429.0238
ser-his-try		428.1880	429.1953	429.1910	429.1996
gln-val-val		428.2244	429.2316	429.2273	429.2359
lys-val-val		428.2607	429.2680	429.2637	429.2723
arg-leu-val		428.2733	429.2806	429.2763	429.2849
arg-ile-val		428.2733	429.2806	429.2763	429.2849
24,25-dihydrolanosterol	C30 H52 O	428.4018	429.4091	429.4048	429.4134
leukotriene E4	C23 H37 N O5 S	429.1610	430.1682	430.1639	430.1725
his-his-his		429.1872	430.1945	430.1902	430.1988
thr-phe-tyr		429.1899	430.1972	430.1929	430.2015
glu-val-val		429.2084	430.2156	430.2113	430.2199
pro-gln-try		429.2085	430.2157	430.2114	430.2200
asn-val-arg		429.2322	430.2395	430.2351	430.2438
pro-lys-try		429.2448	430.2521	430.2478	430.2564
pro-glu-try		430.1925	431.1997	431.1954	431.2041
gln-his-phe		430.1964	431.2037	431.1994	431.2080
asp-val-arg		430.2162	431.2235	431.2192	431.2278
gln-gln-arg		430.2288	431.2360	431.2317	431.2404
lys-his-phe		430.2328	431.2401	431.2358	431.2444
lys-gln-arg		430.2652	431.2724	431.2681	431.2767
leu-leu-try		430.2652	431.2725	431.2682	431.2768
leu-ile-try		430.2652	431.2725	431.2682	431.2768
ile-ile-try		430.2652	431.2725	431.2682	431.2768
arg-lys-lys		430.3016	431.3088	431.3045	431.3131
α-tocopherol	C29 H50 O2	430.3811	431.3883	431.3840	431.3927

cys-phe-tyr		431.1515	432.1587	432.1544	432.1631
ser-tyr-tyr		431.1692	432.1765	432.1722	432.1808
glu-his-phe		431.1804	432.1877	432.1834	432.1920
met-val-val		431.2063	432.2135	432.2092	432.2179
gln-glu-arg		431.2128	432.2201	432.2157	432.2244
leu-his-tyr		431.2168	432.2241	432.2198	432.2284
ile-his-tyr		431.2168	432.2241	432.2198	432.2284
asn-leu-try		431.2241	432.2314	432.2271	432.2357
asn-ile-try		431.2241	432.2314	432.2271	432.2357
ala-arg-try		431.2353	432.2426	432.2383	432.2469
lys-glu-arg		431.2492	432.2565	432.2521	432.2608
thr-arg-arg		431.2604	432.2677	432.2634	432.2720
asn-his-tyr		432.1757	433.1830	433.1786	433.1873
asn-asn-try		432.1830	433.1902	433.1859	433.1946
try-pro-met		432.1904	433.1976	433.1933	433.2020
glu-glu-arg		432.1968	433.2041	433.1997	433.2084
ser-val-try		432.2068	433.2140	433.2097	433.2184
asp-leu-try		432.2081	433.2154	433.2111	433.2197
asp-ile-try		432.2081	433.2154	433.2111	433.2197
3 α ,7 α ,12 α -trihydroxy-5 β -cholestanoate	C27 H44 O4	432.3239	433.3312	433.3269	433.3356
3,5-diiodotyrosine	C9 H9 N O3 I2	432.8661	433.8733	433.8690	433.8777
asp-his-tyr		433.1597	434.1670	434.1626	434.1713
asn-asp-try		433.1670	434.1742	434.1699	434.1786
met-his-phe		433.1783	434.1856	434.1813	434.1900
thr-gln-try		433.2034	434.2106	434.2063	434.2150
his-his-val		433.2060	434.2132	434.2089	434.2176
gln-met-arg		433.2107	434.2180	434.2136	434.2223
cys-arg-arg		433.2219	434.2292	434.2248	434.2335
thr-lys-try		433.2398	434.2470	434.2427	434.2514
lys-met-arg		433.2471	434.2544	434.2500	434.2587
asp-asp-try		434.1510	435.1583	435.1539	435.1626
thr-glu-try		434.1874	435.1947	435.1903	435.1990
glu-met-arg		434.1947	435.2020	435.1976	435.2063
phe-gln-val		434.2151	435.2224	435.2181	435.2268
pro-arg-tyr		434.2277	435.2350	435.2306	435.2393
lys-val-phe		434.2515	435.2588	435.2545	435.2632
leu-phe-arg		434.2641	435.2714	435.2670	435.2757
ile-phe-arg		434.2641	435.2714	435.2670	435.2757
3 α ,7 α ,12 α ,26-tetrahydroxy-5 β -cholestane	C27 H46 O4	434.3396	435.3469	435.3425	435.3512
3 α ,7 α ,12 α -trihydroxy-5 β -cholestan-26-al	C27 H46 O4	434.3396	435.3469	435.3425	435.3512
cys-gln-try		435.1649	436.1721	436.1678	436.1765
phe-glu-val		435.1992	436.2064	436.2021	436.2108
cys-lys-try		435.2013	436.2085	436.2042	436.2129

asn-phe-arg		435.2230	436.2302	436.2259	436.2346
tyr-leu-val		435.2355	436.2428	436.2385	436.2472
tyr-ile-val		435.2355	436.2428	436.2385	436.2472
cys-glu-try		436.1489	437.1562	437.1518	437.1605
met-thr-try		436.1853	437.1926	437.1882	437.1969
met-met-arg		436.1926	437.1999	437.1955	437.2042
asn-val-tyr		436.1944	437.2017	437.1973	437.2060
asp-phe-arg		436.2070	437.2143	437.2099	437.2186
asp-val-tyr		437.1784	438.1857	438.1813	438.1901
gln-gln-tyr		437.1910	438.1983	438.1939	438.2027
met-val-phe		437.1971	438.2043	438.1999	438.2087
his-val-val		437.2247	438.2320	438.2276	438.2363
lys-gln-tyr		437.2274	438.2347	438.2303	438.2390
tyr-lys-lys		437.2638	438.2711	438.2667	438.2754
met-cys-try		438.1468	439.1541	439.1497	439.1585
gln-glu-tyr		438.1750	439.1823	439.1779	439.1867
ala-tyr-try		438.1976	439.2048	439.2004	439.2092
ser-phe-try		438.1976	439.2048	439.2004	439.2092
try-pro-his		438.2088	439.2161	439.2117	439.2205
lys-glu-tyr		438.2114	439.2187	439.2143	439.2231
thr-arg-tyr		438.2226	439.2299	439.2255	439.2343
glu-glu-tyr		439.1590	440.1663	440.1619	440.1707
his-his-phe		439.1968	440.2040	440.1996	440.2084
gln-his-arg		439.2291	440.2364	440.2320	440.2408
lys-his-arg		439.2655	440.2728	440.2684	440.2772
gln-met-tyr		440.1729	441.1802	441.1758	441.1846
cys-arg-tyr		440.1841	441.1914	441.1870	441.1958
gln-phe-phe		440.2059	441.2132	441.2088	441.2176
lys-met-tyr		440.2093	441.2166	441.2122	441.2210
glu-his-arg		440.2131	441.2204	441.2160	441.2248
lys-phe-phe		440.2423	441.2496	441.2452	441.2540
folic acid	C19 H19 N7 O6	441.1396	442.1469	442.1425	442.1513
glu-met-tyr		441.1569	442.1642	442.1598	442.1686
pro-tyr-tyr		441.1899	442.1972	442.1928	442.2016
glu-phe-phe		441.1899	442.1972	442.1928	442.2016
leu-phe-tyr		441.2263	442.2336	442.2292	442.2380
ile-phe-tyr		441.2263	442.2336	442.2292	442.2380
val-val-val		441.2434	442.2507	442.2463	442.2551
asn-phe-tyr		442.1852	443.1925	443.1880	443.1969
his-thr-try		442.2037	443.2110	443.2065	443.2154
met-his-arg		442.2110	443.2183	443.2139	443.2227
pro-val-try		442.2275	443.2348	443.2304	443.2392
guanosine diphosphate (GDP)	C10 H15 N5	443.0232	444.0304	444.0260	444.0349

	O11 P2				
met-met-tyr		443.1548	444.1621	444.1577	444.1665
7,8-dihydrofolate	C19 H21 N7 O6	443.1553	444.1626	444.1581	444.1670
asp-phe-tyr		443.1692	444.1765	444.1720	444.1809
phe-met-phe		443.1878	444.1951	444.1907	444.1996
his-val-phe		443.2155	444.2228	444.2183	444.2272
val-gln-arg		443.2478	444.2551	444.2507	444.2595
arg-lys-val		443.2842	444.2915	444.2870	444.2959
leu-arg-arg		443.2968	444.3041	444.2996	444.3085
ile-arg-arg		443.2968	444.3041	444.2996	444.3085
adenylylsulfate (APS)	C10 H15 N5 O11 S P	444.0220	445.0293	445.0248	445.0337
his-cys-try		444.1652	445.1725	445.1680	445.1769
val-glu-arg		444.2318	445.2391	445.2347	445.2436
asn-arg-arg		444.2557	445.2629	445.2585	445.2674
menaquinone-4	C31 H40 O2	444.3028	445.3101	445.3056	445.3146
tetrahydrofolate (THF)	C19 H23 N7 O6	445.1709	446.1782	446.1737	446.1827
thr-tyr-tyr		445.1849	446.1921	446.1877	446.1966
asp-arg-arg		445.2397	446.2469	446.2425	446.2514
leu-gln-try		445.2398	446.2470	446.2426	446.2515
ile-gln-try		445.2398	446.2470	446.2426	446.2515
leu-lys-try		445.2761	446.2834	446.2790	446.2879
ile-lys-try		445.2761	446.2834	446.2790	446.2879
gln-his-tyr		446.1913	447.1986	447.1941	447.2031
estrone glucuronide	C24 H30 O8	446.1940	447.2013	447.1968	447.2058
asn-gln-try		446.1986	447.2059	447.2014	447.2104
thr-val-try		446.2224	447.2297	447.2252	447.2342
leu-glu-try		446.2238	447.2310	447.2266	447.2355
ile-glu-try		446.2238	447.2310	447.2266	447.2355
lys-his-tyr		446.2277	447.2350	447.2305	447.2395
met-val-arg		446.2297	447.2370	447.2325	447.2415
asn-lys-try		446.2350	447.2423	447.2378	447.2467
CDP-ethanolamine	C11 H21 N4 O11 P2	447.0670	448.0743	448.0698	448.0788
cys-tyr-tyr		447.1464	448.1536	448.1492	448.1581
glu-his-tyr		447.1753	448.1826	448.1781	448.1871
asn-glu-try		447.1826	448.1899	448.1854	448.1944
asp-gln-try		447.1826	448.1899	448.1854	448.1944
gly-try-try		447.2052	448.2124	448.2080	448.2169
asp-lys-try		447.2190	448.2263	448.2218	448.2308
ser-arg-try		447.2302	448.2375	448.2330	448.2420
val-val-phe		447.2342	448.2415	448.2370	448.2460
glucobrassicin	C16 H20 N2 O9 S2	448.0610	449.0682	449.0638	449.0727
asp-glu-try		448.1666	449.1739	449.1694	449.1784

cys-val-try		448.1839	449.1912	449.1867	449.1957
pro-phe-try		448.2183	449.2256	449.2211	449.2301
met-leu-try		448.2217	449.2289	449.2245	449.2334
met-ile-try		448.2217	449.2289	449.2245	449.2334
his-his-arg		448.2294	449.2367	449.2322	449.2412
met-his-tyr		449.1732	450.1805	450.1760	450.1850
asn-met-try		449.1805	450.1878	450.1833	450.1923
phe-his-phe		449.2063	450.2135	450.2090	450.2180
gln-phe-arg		449.2386	450.2459	450.2414	450.2504
lys-phe-arg		449.2750	450.2823	450.2778	450.2868
glycochenodeoxycholate	C26 H43 N O5	449.3141	450.3214	450.3169	450.3259
glycodeoxycholate	C26 H43 N O5	449.3141	450.3214	450.3169	450.3259
asp-met-try		450.1645	451.1718	451.1673	451.1763
geranylgeranyl diphosphate	C20 H36 O7 P2	450.1925	451.1998	451.1953	451.2043
val-gln-tyr		450.2101	451.2173	451.2128	451.2218
glu-phe-arg		450.2226	451.2299	451.2254	451.2344
tyr-lys-val		450.2464	451.2537	451.2492	451.2582
leu-arg-tyr		450.2590	451.2663	451.2618	451.2708
ile-arg-tyr		450.2590	451.2663	451.2618	451.2708
phylloquinone	C31 H46 O2	450.3498	451.3570	451.3525	451.3616
5'-benzoylphosphoadenosine	C17 H18 N5 O8 P	451.0887	452.0960	452.0914	452.1005
val-glu-tyr		451.1941	452.2013	452.1968	452.2059
asn-arg-tyr		451.2179	452.2252	452.2206	452.2297
asp-arg-tyr		452.2019	453.2092	453.2046	453.2137
all-trans-geranylgeranyl-PP	C20 H38 O7 P2	452.2081	453.2154	453.2109	453.2199
phe-thr-try		452.2132	453.2205	453.2160	453.2250
met-phe-arg		452.2205	453.2278	453.2233	453.2323
his-val-arg		452.2482	453.2554	453.2509	453.2600
phylloquinol	C31 H48 O2	452.3654	453.3727	453.3682	453.3772
met-val-tyr		453.1920	454.1992	454.1947	454.2038
val-phe-phe		453.2250	454.2323	454.2277	454.2368
5P-ribosyl-4-(N-succinocarboxamide)-5-aminoimidazole	C13 H19 N4 O12 P	454.0731	455.0804	455.0758	455.0849
5,10-methylenyl THF	C20 H20 N7 O6	454.1475	455.1547	455.1502	455.1593
cys-phe-try		454.1747	455.1820	455.1774	455.1865
ser-tyr-try		454.1925	455.1997	455.1952	455.2043
CMP-N-acetylneuraminate	C20 H31 N4 O6 P	454.1975	455.2048	455.2002	455.2094
his-leu-try		454.2401	455.2474	455.2428	455.2519
his-ile-try		454.2401	455.2474	455.2428	455.2519
5,10-methylene-THF	C20 H21 N7 O6	455.1553	456.1626	456.1580	456.1671
his-his-tyr		455.1917	456.1989	456.1944	456.2035
asn-his-try		455.1989	456.2062	456.2017	456.2108
20-hydroxyleukotriene E4	C23 H37 N O6	455.2341	456.2414	456.2368	456.2460

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asp-his-try		456.1830	457.1902	457.1857	457.1948
gln-phe-tyr		456.2008	457.2081	457.2035	457.2127
lys-phe-tyr		456.2372	457.2445	457.2399	457.2491
arg-val-val		456.2669	457.2742	457.2696	457.2787
5-methyl-THF	C20 H23 N7 O6	457.1709	458.1782	458.1736	458.1828
glu-phe-tyr		457.1849	458.1921	458.1876	458.1967
leu-tyr-tyr		457.2212	458.2285	458.2239	458.2331
ile-tyr-tyr		457.2212	458.2285	458.2239	458.2331
try-pro-arg		457.2510	458.2583	458.2537	458.2628
asn-tyr-tyr		458.1801	459.1874	459.1828	459.1920
his-phe-arg		458.2390	459.2462	459.2416	459.2508
leu-val-try		458.2588	459.2661	459.2615	459.2707
ile-val-try		458.2588	459.2661	459.2615	459.2707
gln-arg-arg		458.2713	459.2786	459.2740	459.2832
lys-arg-arg		458.3077	459.3150	459.3104	459.3196
asp-tyr-tyr		459.1641	460.1714	460.1668	460.1760
met-phe-tyr		459.1828	460.1900	460.1854	460.1946
his-val-tyr		459.2104	460.2177	460.2131	460.2223
phe-phe-phe		459.2158	460.2231	460.2184	460.2277
asn-val-try		459.2177	460.2249	460.2203	460.2295
glu-arg-arg		459.2553	460.2626	460.2580	460.2672
asp-val-try		460.2017	461.2090	461.2043	461.2136
gln-gln-try		460.2143	461.2215	461.2169	461.2261
gln-lys-try		460.2506	461.2579	461.2533	461.2625
lys-lys-try		460.2870	461.2943	461.2897	461.2989
gln-glu-try		461.1983	462.2055	462.2009	462.2102
ala-try-try		461.2208	462.2281	462.2235	462.2327
lys-glu-try		461.2347	462.2419	462.2373	462.2466
arg-thr-try		461.2459	462.2532	462.2485	462.2578
met-arg-arg		461.2532	462.2605	462.2559	462.2651
glucosylsphingosine	C24 H47 N O7	461.3352	462.3425	462.3379	462.3471
adenylosuccinate	C14 H17 N5 O11 P	462.0656	463.0729	463.0682	463.0775
glu-glu-try		462.1823	463.1896	463.1849	463.1942
val-phe-arg		462.2577	463.2649	463.2603	463.2696
met-gln-try		463.1962	464.2034	464.1988	464.2081
arg-cys-try		463.2074	464.2147	464.2100	464.2193
tyr-val-val		463.2291	464.2364	464.2317	464.2410
met-lys-try		463.2326	464.2398	464.2352	464.2445
met-glu-try		464.1802	465.1875	465.1828	465.1921
16-glucuronide-estriol	C24 H32 O9	464.2046	465.2119	465.2072	465.2165
try-pro-tyr		464.2132	465.2205	465.2158	465.2251

testosterone glucuronide	C25 H36 O8	464.2410	465.2483	465.2436	465.2529
leu-phe-try		464.2496	465.2569	465.2522	465.2615
ile-phe-try		464.2496	465.2569	465.2522	465.2615
his-phe-tyr		465.2012	466.2085	466.2038	466.2131
asn-phe-try		465.2085	466.2157	466.2111	466.2204
gln-arg-tyr		465.2335	466.2408	466.2361	466.2455
lys-arg-tyr		465.2699	466.2772	466.2725	466.2819
glycocholate	C26 H43 N O6	465.3090	466.3163	466.3116	466.3209
sphingosyl-phosphocholine	C23 H50 N2 O5 P	465.3452	466.3524	466.3478	466.3571
met-met-try		466.1781	467.1854	467.1807	467.1900
asp-phe-try		466.1925	467.1997	467.1951	467.2044
glu-arg-tyr		466.2175	467.2248	467.2201	467.2295
androsterone glucuronide	C25 H38 O8	466.2566	467.2639	467.2592	467.2686
etiocholan-3 α -ol-17-one 3-glucuronide	C25 H38 O8	466.2566	467.2639	467.2592	467.2686
(2,3-epoxyphytyl) menaquinone	C31 H46 O3	466.3447	467.3520	467.3473	467.3566
dUTP	C9 H14 N2 O14 P3	466.9641	467.9713	467.9667	467.9760
dCTP	C9 H16 N3 O13 P3	466.9879	467.9951	467.9905	467.9998
his-arg-arg		467.2716	468.2789	468.2742	468.2836
tyr-thr-try		468.2081	469.2154	469.2107	469.2201
met-arg-tyr		468.2154	469.2227	469.2180	469.2274
phe-phe-arg		468.2485	469.2557	469.2510	469.2604
2-hydroxyethyl-ThPP	C14 H23 N4 O8 S P2	469.0700	470.0773	470.0726	470.0820
his-gln-try		469.2146	470.2219	470.2172	470.2266
val-phe-tyr		469.2199	470.2272	470.2225	470.2319
his-lys-try		469.2510	470.2583	470.2536	470.2630
5-formimino-THF	C20 H22 N8 O6	470.1662	471.1734	471.1687	471.1782
tyr-cys-try		470.1696	471.1769	471.1722	471.1816
his-glu-try		470.1986	471.2059	471.2012	471.2106
reduced vitamne K	C31 H50 O3	470.3760	471.3833	471.3785	471.3880
2-(α -hydroxyethyl-)TPP	C14 H25 N4 O8 S P2	471.0857	472.0930	472.0882	472.0977
5-formyl-THF	C20 H21 N7 O7	471.1502	472.1575	472.1527	472.1622
val-arg-arg		471.2904	472.2976	472.2929	472.3024
gln-tyr-tyr		472.1958	473.2030	473.1983	473.2078
met-his-try		472.1965	473.2038	473.1991	473.2085
lys-tyr-tyr		472.2321	473.2394	473.2347	473.2441
10-formyl-THF	C20 H23 N7 O7	473.1658	474.1731	474.1684	474.1779
glu-tyr-tyr		473.1798	474.1870	474.1823	474.1918
gln-val-try		473.2333	474.2406	474.2358	474.2453
lys-val-try		473.2697	474.2770	474.2722	474.2817
arg-leu-try		473.2823	474.2896	474.2848	474.2943
arg-ile-try		473.2823	474.2896	474.2848	474.2943

glu-val-try		474.2173	475.2246	475.2199	475.2294
his-arg-tyr		474.2339	475.2411	475.2364	475.2459
asn-arg-try		474.2411	475.2484	475.2437	475.2532
citicoline	C14 H27 N4 O11 P2	475.1109	476.1182	476.1134	476.1230
met-tyr-tyr		475.1777	476.1849	476.1802	476.1897
phe-phe-tyr		475.2107	476.2180	476.2132	476.2227
asp-arg-try		475.2252	476.2324	476.2277	476.2372
2-methoxyestrone 3-glucuronide	C25 H32 O9	476.2046	477.2119	477.2071	477.2166
met-val-try		476.2152	477.2225	477.2177	477.2273
CDP-glycerol	C12 H21 N3 O13 P2	477.0538	478.0611	478.0563	478.0658
ser-try-try		477.2157	478.2230	478.2182	478.2278
phe-arg-arg		477.2811	478.2884	478.2836	478.2932
his-his-try		478.2149	479.2222	479.2174	479.2270
2-methoxy-estradiol-17 β 3-glucuronide	C25 H34 O9	478.2202	479.2275	479.2227	479.2323
val-arg-tyr		478.2526	479.2599	479.2551	479.2646
phe-gln-try		479.2241	480.2314	480.2266	480.2362
lys-phe-try		479.2605	480.2678	480.2630	480.2726
phe-glu-try		480.2081	481.2154	481.2106	481.2202
tyr-leu-try		480.2445	481.2518	481.2470	481.2566
tyr-ile-try		480.2445	481.2518	481.2470	481.2566
his-tyr-tyr		481.1961	482.2034	482.1985	482.2082
asn-tyr-try		481.2034	482.2106	482.2058	482.2155
thymidine triphosphate (TTP)	C10 H17 N2 O14 P3	481.9875	482.9948	482.9900	482.9996
asp-tyr-try		482.1874	483.1947	483.1898	483.1995
met-phe-try		482.2060	483.2133	483.2085	483.2181
his-val-try		482.2336	483.2409	483.2361	483.2458
molybdopterin (MPT)	C10 H12(10) N5 O6 S2 P (Mo)	482.8867	483.8939	483.8891	483.8988
cytidine triphosphate (CTP)	C9 H16 N3 O14 P3	482.9828	483.9901	483.9852	483.9949
uridine triphosphate (UTP)	C9 H15 N2 O15 P3	483.9668	484.9741	484.9692	484.9789
phe-arg-tyr		484.2434	485.2506	485.2458	485.2555
val-tyr-tyr		485.2148	486.2221	486.2172	486.2269
val-val-try		486.2524	487.2596	487.2548	487.2645
arg-arg-arg		486.3138	487.3211	487.3162	487.3260
pro-try-try		487.2365	488.2437	488.2389	488.2486
his-phe-try		488.2244	489.2317	489.2268	489.2366
arg-gln-try		488.2568	489.2641	489.2592	489.2690
arg-lys-try		488.2932	489.3005	489.2956	489.3053
CDP-choline	C14 H27 N4 O11 P2	489.1140	490.1213	490.1164	490.1262
arg-glu-try		489.2408	490.2481	490.2432	490.2530

2-aminoadipate adenylate	C16 H23 N6 O10 P	490.1207	491.1280	491.1231	491.1329
dATP	C10 H16 N5 O12 P3	490.9991	492.0064	492.0015	492.0113
phe-tyr-tyr		491.2056	492.2129	492.2079	492.2178
thr-try-try		491.2314	492.2387	492.2337	492.2436
met-arg-try		491.2387	492.2460	492.2411	492.2509
dITP	C10 H15 N4 O13 P3	491.9831	492.9904	492.9855	492.9953
val-phe-try		492.2432	493.2504	493.2455	493.2554
cys-try-try		493.1929	494.2002	494.1952	494.2051
arg-arg-try		493.2761	494.2833	494.2784	494.2883
2-amino-4-hydroxy-(erythro-1-2-3-trihydroxypropyl-)dihydropteridine-P3	C9 H16 N5 O13 P3	494.9940	496.0013	495.9963	496.0062
gln-tyr-try		495.2190	496.2263	496.2213	496.2313
tyr-lys-try		495.2554	496.2627	496.2577	496.2676
glu-tyr-try		496.2030	497.2103	497.2053	497.2153
leukotriene D4	C25 H40 N2 O6 S	496.2607	497.2679	497.2630	497.2729
2'-deoxy-5-hydroxymethylcytidine-5'-triphosphate	C10 H18 N3 O14 P3	496.9984	498.0057	498.0007	498.0107
his-arg-try		497.2571	498.2644	498.2594	498.2694
met-tyr-try		498.2009	499.2082	499.2032	499.2132
phe-phe-try		498.2339	499.2412	499.2362	499.2462
taurochenodeoxycholate	C26 H45 N O6 S	499.2967	500.3040	500.2990	500.3090
taurodeoxycholate	C26 H45 N O6 S	499.2967	500.3040	500.2990	500.3090
inositol 1,3,4,5-tetrakisphosphate	C6 H16 O18 P4	499.9264	500.9337	500.9287	500.9387
inositol 1,3,4,6-tetrakisphosphate	C6 H16 O18 P4	499.9264	500.9337	500.9287	500.9387
inositol 1,4,5,6-tetrakisphosphate	C6 H16 O18 P4	499.9264	500.9337	500.9287	500.9387
inositol 3,4,5,6-tetrakisphosphate	C6 H16 O18 P4	499.9264	500.9337	500.9287	500.9387
arg-tyr-tyr		500.2383	501.2456	501.2405	501.2506
arg-val-try		501.2758	502.2831	502.2781	502.2881
leu-try-try		503.2678	504.2750	504.2700	504.2801
ile-try-try		503.2678	504.2750	504.2700	504.2801
cellotriose	C18 H32 O16	504.1690	505.1762	505.1712	505.1813
Gal α 1->6-gal α 1->6-glucose	C18 H32 O16	504.1690	505.1762	505.1712	505.1813
his-tyr-try		504.2193	505.2266	505.2216	505.2317
asn-try-try		504.2266	505.2339	505.2288	505.2390
asp-try-try		505.2106	506.2179	506.2129	506.2230
adenosine triphosphate	C10 H16 N5 O13 P3	506.9940	508.0013	507.9962	508.0064
dGTP	C10 H16 N5 O13 P3	506.9940	508.0013	507.9962	508.0064
tyr-tyr-tyr		507.2005	508.2078	508.2027	508.2129
phe-arg-try		507.2666	508.2739	508.2688	508.2790
Inosine triphosphate	C10 H15 N4 O14 P3	507.9780	508.9853	508.9802	508.9904
tyr-val-try		508.2381	509.2453	509.2403	509.2504

taurocholate	C26 H43 N O7 S	513.2760	514.2833	514.2781	514.2884
phe-tyr-try		514.2289	515.2361	515.2310	515.2413
arg-arg-try		516.2993	517.3066	517.3014	517.3118
gln-try-try		518.2423	519.2496	519.2444	519.2547
all-trans-pentaprenyl diphosphate	C25 H44 O7 P2	518.2551	519.2624	519.2572	519.2676
lys-try-try		518.2787	519.2859	519.2807	519.2911
glu-try-try		519.2263	520.2336	520.2284	520.2388
4-(cytidine 5'-diphospho)-2-C-methyl erythritol	C14 H25 N3 O14 P2	521.0800	522.0873	522.0821	522.0925
met-try-try		521.2242	522.2315	522.2262	522.2367
oleoyl lysophosphatidylcholine	C26 H53 N O7 P	522.3554	523.3627	523.3574	523.3679
guanosine triphosphate (GTP)	C10 H16 N5 O14 P3	522.9889	523.9962	523.9910	524.0014
arg-tyr-try		523.2615	524.2688	524.2636	524.2741
XTP	C10 H15 N4 O15 P3	523.9729	524.9802	524.9750	524.9855
3'-phosphoadenylylsulfate (PAPS)	C10 H16 N5 O14 S P2	523.9878	524.9951	524.9898	525.0003
3-carboxy-1-hydroxypropyl-ThPP	C16 H25 N4 O10 S P2	527.0755	528.0828	528.0775	528.0881
his-try-try		527.2426	528.2499	528.2446	528.2552
tyr-tyr-try		530.2238	531.2310	531.2257	531.2364
CDP-4-dehydro-1,6-dideoxy glucose	C15 H23 N3 O14 P2	531.0643	532.0716	532.0663	532.0769
CDP-4-dehydro-6-deoxy glucose	C15 H23 N3 O15 P2	531.0643	532.0716	532.0663	532.0769
val-try-try		531.2613	532.2686	532.2633	532.2739
5β-cyprinolsulfate	C27 H48 O8 S	532.3070	533.3142	533.3089	533.3196
CDP-3,6-dideoxy glucose	C15 H25 N3 O14 P2	533.0800	534.0873	534.0819	534.0926
CDP-3,6-dideoxy mannose	C15 H25 N3 O14 P2	533.0800	534.0873	534.0819	534.0926
UDP-apiose	C14 H22 N2 O16 P2	536.0433	537.0505	537.0452	537.0559
lycopene	C40 H56	536.4382	537.4455	537.4401	537.4509
α-carotene	C40 H56	536.4382	537.4455	537.4401	537.4509
β-carotene	C40 H56	536.4382	537.4455	537.4401	537.4509
γ-carotene	C40 H56	536.4382	537.4455	537.4401	537.4509
δ-carotene	C40 H56	536.4382	537.4455	537.4401	537.4509
UDP-arabinose	C14 H23 N2 O16 P2	537.0511	538.0584	538.0530	538.0638
UDP-xylose	C14 H23 N2 O16 P2	537.0511	538.0584	538.0530	538.0638
CDP-ribitol	C14 H25 N3 O15 P2	537.0749	538.0822	538.0768	538.0876
phe-try-try		537.2521	538.2594	538.2540	538.2648
neurosporene	C40 H58	538.4539	539.4611	539.4557	539.4665
trans-neurosporene	C40 H58	538.4539	539.4611	539.4557	539.4665
α-zeacarotene	C40 H58	538.4539	539.4611	539.4557	539.4665
β-zeacarotene	C40 H58	538.4539	539.4611	539.4557	539.4665

ζ-carotene	C40 H60	540.4695	541.4768	541.4714	541.4822
phytofluene	C40 H62	542.4852	543.4924	543.4870	543.4979
phosphoribosyl-AMP	C14 H20 N5 O14 P2	544.0470	545.0543	545.0488	545.0597
dTDP-4-dehydro-6-deoxy mannose	C16 H24 N2 O15 P2	546.0640	547.0713	547.0658	547.0768
dTDP-4-oxo-6-deoxy-glucose	C16 H24 N2 O15 P2	546.0640	547.0713	547.0658	547.0768
dTDP-4-oxo-rhamnose	C16 H24 N2 O15 P2	546.0640	547.0713	547.0658	547.0768
arg-try-try		546.2848	547.2921	547.2866	547.2976
cis-phytoene	C40 H66	546.5165	547.5237	547.5183	547.5292
UDP-4-dehydro-6-deoxy glucose	C15 H22 N2 O16 P2	548.0433	549.0505	549.0451	549.0560
dTDP-6-deoxy mannose	C16 H26 N2 O15 P2	548.0797	549.0869	549.0814	549.0924
dTDP-6-deoxy talose	C16 H26 N2 O15 P2	548.0797	549.0869	549.0814	549.0924
dTDP-rhamnose	C16 H27 N2 O15 P2	549.0875	550.0948	550.0893	550.1003
UDP-rhamnose	C15 H24 N2 O16 P2	550.0589	551.0662	551.0607	551.0717
echinenone	C40 H54 O	550.4175	551.4247	551.4192	551.4303
tyr-try-try		553.2470	554.2543	554.2488	554.2598
ADP-ribose	C15 H24 N5 O14 P2	560.0783	561.0856	561.0800	561.0912
protoporphyrin	C34 H34 N4 O4	562.2580	563.2652	563.2596	563.2709
CDP-glucose	C15 H25 N3 O16 P2	563.0542	564.0614	564.0558	564.0671
aerobactin	C22 H36 N4 O13	564.2278	565.2351	565.2294	565.2407
dTDP-galactose	C16 H27 N2 O16 P2	565.0824	566.0897	566.0840	566.0953
dTDP-glucose	C16 H27 N2 O16 P2	565.0824	566.0897	566.0840	566.0953
UDP-galactose	C15 H25 N2 O17 P2	567.0617	568.0689	568.0633	568.0746
UDP-glucose	C15 H25 N2 O17 P2	567.0617	568.0689	568.0633	568.0746
leukotriene F4	C28 H44 N2 O8 S	568.2818	569.2891	569.2834	569.2948
protoporphyrinogen	C34 H40 N4 O4	568.3049	569.3122	569.3065	569.3179
lutein	C40 H56 O2	568.4280	569.4353	569.4296	569.4410
zeaxanthin	C40 H56 O2	568.4280	569.4353	569.4296	569.4410
phosphoribulosylformimino-aicar-P	C15 H21 N5 O15 P2	573.0497	574.0570	574.0513	574.0628
try-try-try		576.2703	577.2776	577.2718	577.2833
dTDP-galacturonate	C16 H24 N2 O17 P2	578.0538	579.0611	579.0553	579.0669
dTDP-glucuronate	C16 H24 N2 O17 P2	578.0538	579.0611	579.0553	579.0669
inositol 1,2,3,4,5-pentakisphosphate	C6 H17 O21 P5	579.8922	580.8995	580.8937	580.9053
inositol 1,3,4,5,6-pentakisphosphate	C6 H17 O21 P5	579.8922	580.8995	580.8937	580.9053
UDP-iduronate	C15 H22 N2 O18 P2	580.0331	581.0404	581.0346	581.0462
menaquinone-6	C41 H56 O2	580.4280	581.4353	581.4295	581.4411

UDP-galacturonate	C15 H23 N2 O18 P2	581.0409	582.0482	582.0424	582.0540
UDP-glucuronate	C15 H23 N2 O18 P2	581.0409	582.0482	582.0424	582.0540
bilirubin	C33 H36 N4 O6	584.2634	585.2707	585.2649	585.2766
antheraxanthin	C40 H56 O3	584.4229	585.4302	585.4244	585.4361
phycocyanobilin	C33 H38 N4 O6	586.2791	587.2864	587.2805	587.2922
all-trans-hexaprenyl diphosphate	C30 H52 O7 P2	586.3177	587.3250	587.3191	587.3308
presqualene diphosphate	C30 H52 O7 P2	586.3177	587.3250	587.3191	587.3308
adenosine tetraphosphate	C10 H17 N5 O16 P4	586.9598	587.9671	587.9612	587.9729
GDP-4-dehydro-6-dexoy mannose	C16 H23 N5 O15 P2	587.0654	588.0727	588.0668	588.0786
GDP-4-oxo-rhamnose	C16 H23 N5 O15 P2	587.0654	588.0727	588.0668	588.0786
inosine tetraphosphate	C10 H16 N4 O17 P4	587.9438	588.9511	588.9452	588.9570
urobilin	C33 H40 N4 O6	588.2947	589.3020	589.2961	589.3079
ADPmannose	C16 H25 N5 O15 P2	589.0810	590.0883	590.0824	590.0942
GDP-mannose	C16 H25 N5 O15 P2	589.0810	590.0883	590.0824	590.0942
GDP-rhamnose	C16 H25 N5 O15 P2	589.0810	590.0883	590.0824	590.0942
dTDP-4-acetamido-4,6-dideoxy glucose	C18 H29 N3 O15 P2	589.1062	590.1135	590.1076	590.1194
ADP-glucose	C16 H26 N5 O15 P2	590.0889	591.0961	591.0902	591.1021
i-urobilin (IX α)	C33 H42 N4 O6	590.3104	591.3177	591.3118	591.3236
urobilinogen	C33 H42 N4 O6	590.3104	591.3177	591.3118	591.3236
mesobilirubinogen	C33 H44 N4 O6	592.3260	593.3333	593.3274	593.3393
l-stercobilin	C33 H46 N4 O6	594.3417	595.3490	595.3430	595.3549
l-stercobilinogen	C33 H48 N4 O6	596.3573	597.3646	597.3586	597.3706
9'-cis-neoxanthin	C40 H56 O4	600.4178	601.4251	601.4191	601.4311
9-cis-violaxanthin	C40 H56 O4	600.4178	601.4251	601.4191	601.4311
neoxanthin	C40 H56 O4	600.4178	601.4251	601.4191	601.4311
2-phospho-4-(cytidine 5'-diphospho)-2-C-methyl erythritol	C14 H26 N3 O17 P3	601.0458	602.0530	602.0470	602.0591
guanosine 3',5'-bis(diphosphate)	C10 H17 N5 O17 P4	602.9547	603.9620	603.9559	603.9680
UDP-N-acetyl mannosamine	C17 H27 N3 O17 P2	607.0804	608.0877	608.0816	608.0937
GDP-glucose	C16 H27 N5 O16 P2	607.0916	608.0989	608.0928	608.1050
UDP-N-acetyl galactosamine	C17 H28 N3 O17 P2	608.0882	609.0955	609.0894	609.1016
UDP-N-acetyl glucosamine	C17 H28 N3 O17 P2	608.0882	609.0955	609.0894	609.1016
rutin	C27 H30 O16	610.1533	611.1606	611.1545	611.1667
glutathione disulfide	C20 H32 N6 O12 S2	612.1519	613.1592	613.1530	613.1653
biliverdin	C33 H34 N4 O8	614.2376	615.2449	615.2387	615.2510
CMP-sialate	C20 H32 N4 O16 P	615.1545	616.1617	616.1556	616.1679

heme	C34 H32 N4 O4 Fe(II)	616.1750	617.1822	617.1761	617.1884
UDP-N-acetyl-2-amino-2-deoxy glucuronate	C17 H23 N3 O18 P2	619.0440	620.0513	620.0451	620.0575
UDP-N-acetyl galactosaminuronic acid	C17 H25 N3 O18 P2	621.0596	622.0669	622.0607	622.0731
UDP-N-acetyl mannosaminouronate	C17 H25 N3 O18 P2	621.0596	622.0669	622.0607	622.0731
Leukotriene C4	C30 H47 N3 O9 S	625.3032	626.3105	626.3043	626.3168
UDP-6-sulfoquinovose	C15 H23 N2 O19 S P2	629.0079	630.0152	630.0089	630.0215
CMP-N-glycoloylneuraminate	C20 H31 N4 O17 P	630.1415	631.1488	631.1425	631.1551
triiodothyronine	C15 H11 N O4 I3	649.7805	650.7878	650.7813	650.7943
coproporphyrin	C36 H38 N4 O8	654.2689	655.2762	655.2696	655.2827
all-trans-heptaprenyl diphosphate	C35 H60 O7 P2	654.3803	655.3876	655.3810	655.3941
inositol-1,2,3,4,5,6-hexakisphosphate	C6 H18 O24 P6	659.8580	660.8652	660.8586	660.8718
coproporphyrinogen	C36 H44 N4 O8	660.3159	661.3231	661.3165	661.3298
nicotinamide adenine dinucleotide (NAD)	C21 H28 N7 O14 P2	664.1158	665.1230	665.1164	665.1297
deamido-NAD	C21 H27 N6 O15 P2	665.0998	666.1070	666.1004	666.1137
NADH + H+	C21 H30 N7 O14 P2	666.1314	667.1387	667.1320	667.1453
cellotetraose	C24 H42 O21	666.2218	667.2290	667.2224	667.2357
stachyose	C24 H42 O21	666.2218	667.2290	667.2224	667.2357
UDP-N-acetyl muramate	C19 H32 N3 O19 P2	668.1093	669.1166	669.1099	669.1233
UDP-N-acetyl-3-(1-carboxyvinyl) glucosamine	C20 H29 N3 O19 P2	677.0858	678.0931	678.0863	678.0999
guanosine 3'-diphosphate 5'-triphosphate	C10 H18 N5 O20 P5	682.9205	683.9277	683.9209	683.9346
dephospho-CoA	C21 H35 N7 O13 S P2	687.1477	688.1550	688.1481	688.1618
phosphoribosyl-ATP	C14 H20 N5 O20 P4	701.9629	702.9702	702.9631	702.9772
all-trans-octaprenyl diphosphate	C40 H68 O7 P2	722.4429	723.4502	723.4429	723.4574
prephytoene diphosphate	C40 H68 O7 P2	722.4429	723.4502	723.4429	723.4574
dipalmitoylphosphatidylcholine	C40 H80 N O8 P	733.5616	734.5688	734.5615	734.5762
NADP	C21 H29 N7 O17 P3	744.0815	745.0888	745.0813	745.0962
NADPH + H+	C21 H31 N7 O17 P3	746.0972	747.1044	747.0970	747.1119
methanofuran	C34 H44 N4 O15	748.2802	749.2875	749.2800	749.2950
P1,P3-bis (5'adenosyl) triphosphate	C20 H27 N10 O16 P3	756.0802	757.0874	757.0799	757.0950
1-stearoyl-2-palmitoylphosphatidylcholine	C42 H84 N O8 P	761.5929	762.6001	762.5925	762.6078
tetrahydromethanopterin (THMPT)	C30 H45 N6 O17 P	775.2545	776.2618	776.2540	776.2695
formyl-MFR	C35 H44 N4 O16	776.2751	777.2824	777.2746	777.2902
thyroxine	C15 H11 N O4 I4	776.6845	777.6917	777.6840	777.6995

5,10-methenyl-THMPT	C31 H45 N6 O16 P	788.2623	789.2696	789.2617	789.2775
5,10-methylene-THMPT	C31 H46 N6 O16 P	789.2701	790.2774	790.2695	790.2853
5-methyl-THMPT	C31 H46 N6 O16 P	789.2701	790.2774	790.2695	790.2853
P1,P4-bis (5'-uridylyl) tetraphosphate	C18 H26 N4 O23 P4	789.9915	790.9988	790.9909	791.0067
7,8 dihydroxymethanopterin	C30 H43 N6 O17 P	790.2416	791.2489	791.2409	791.2568
all-trans-nonaprenyl diphosphate	C45 H76 O7 P2	790.5055	791.5128	791.5049	791.5207
coenzyme F	C40 H51 N6 O11	791.3615	792.3688	792.3609	792.3767
formyl-CoA	C22 H36 N7 O17 S P3	795.1084	796.1156	796.1077	796.1236
5-formyl-THMPT	C31 H46 N6 O17 P	805.2651	806.2723	806.2643	806.2804
acetyl-CoA	C23 H38 N7 O17 S P3	809.1240	810.1313	810.1232	810.1394
acryloyl-CoA	C24 H38 N7 O17 S P3	821.1240	822.1313	822.1231	822.1395
propionyl-CoA	C24 H40 N7 O17 S P3	823.1397	824.1469	824.1387	824.1552
cellopentaose	C30 H52 O26	828.2746	829.2818	829.2735	829.2901
uroporphyrin	C40 H38 N4 O16	830.2282	831.2355	831.2272	831.2438
crotonyl-CoA	C25 H40 N7 O17 S P3	835.1397	836.1469	836.1386	836.1553
methacrylyl-CoA	C25 H40 N7 O17 S P3	835.1397	836.1469	836.1386	836.1553
uroporphyrinogen	C40 H44 N4 O16	836.2751	837.2824	837.2740	837.2908
3-oxopropionyl-CoA	C24 H38 N7 O18 S P3	837.1189	838.1262	838.1178	838.1346
butyryl-CoA	C25 H42 N7 O17 S P3	837.1553	838.1626	838.1542	838.1710
2-methylpropanoyl-CoA	C25 H42 N7 O17 S P3	837.1553	838.1626	838.1542	838.1710
β-alanyl-CoA	C24 H41 N8 O17 S P3	838.1506	839.1578	839.1494	839.1662
oxalyl-CoA	C23 H36 N7 O19 S P3	839.0982	840.1055	840.0971	840.1139
3-hydroxypropionyl-CoA	C24 H40 N7 O18 S P3	839.1346	840.1418	840.1334	840.1502
lactoyl-CoA	C24 H40 N7 O18 S P3	839.1346	840.1418	840.1334	840.1502
tiglyl-CoA	C26 H42 N7 O17 S P3	849.1553	850.1626	850.1541	850.1711
3-methyl-crotonyl-CoA	C26 H42 N7 O17 S P3	849.1553	850.1626	850.1541	850.1711
acetoacetyl-CoA	C25 H40 N7 O18 S P3	851.1346	852.1418	852.1333	852.1504
2-methyl-butryryl-CoA	C26 H44 N7 O17 S P3	851.1710	852.1782	852.1697	852.1868
isovaleryl-CoA	C26 H44 N7 O17 S P3	851.1710	852.1782	852.1697	852.1868
pentanoyl-CoA	C26 H44 N7 O17 S P3	851.1710	852.1782	852.1697	852.1868
malonyl-CoA	C24 H38 N7 O19 S P3	853.1138	854.1211	854.1126	854.1296
3-hydroxybutyryl-CoA	C25 H42 N7	853.1502	854.1575	854.1490	854.1660

	O18 S P3				
preuroporphyrigen	C40 H46 N4 O17	854.2857	855.2930	855.2844	855.3015
ubiquinone 10	C59 H90 O4	862.6839	863.6912	863.6825	863.6998
trans-hex-2-enoyl-CoA	C27 H44 N7 O17 S P3	863.1710	864.1782	864.1696	864.1869
2-methyl-acetoacetyl-CoA	C26 H42 N7 O18 S P3	865.1502	866.1575	866.1488	866.1662
hexanoyl-CoA	C27 H46 N7 O17 S P3	865.1866	866.1939	866.1852	866.2025
methylmalonyl-CoA	C25 H40 N7 O19 S P3	867.1295	868.1368	868.1281	868.1454
succinyl-CoA	C25 H40 N7 O19 S P3	867.1295	868.1368	868.1281	868.1454
2-methyl-3-hydroxybutyryl-CoA	C26 H44 N7 O18 S P3	867.1659	868.1731	868.1645	868.1818
P1, P4-bis (5'-guanosyl) tetraphosphate	C20 H28 N10 O21 P4	868.0358	869.0430	869.0343	869.0517
precorrin 2	C42 H52 N4 O16	868.3377	869.3450	869.3363	869.3537
3-hydroxyisovaleryl-CoA	C26 H46 N7 O18 S P3	869.1815	870.1888	870.1801	870.1975
P1,P4-bis (5'-xanthosyl) tetraphosphate	C20 H26 N8 O23 P4	870.0038	871.0111	871.0023	871.0198
benzoyl-CoA	C28 H40 N7 O17 S P3	871.1397	872.1469	872.1382	872.1557
precorrin 3	C43 H50 N4 O16	878.3221	879.3294	879.3206	879.3382
glutaconyl-CoA	C26 H40 N7 O19 S P3	879.1295	880.1368	880.1280	880.1456
itaconyl-CoA	C26 H40 N7 O19 S P3	879.1295	880.1368	880.1280	880.1456
mesaconyl-CoA	C26 H40 N7 O19 S P3	879.1295	880.1368	880.1280	880.1456
3-oxo-hexanoyl-CoA	C27 H44 N7 O18 S P3	879.1659	880.1731	880.1643	880.1819
glutaryl-CoA	C26 H42 N7 O19 S P3	881.1451	882.1524	882.1436	882.1612
3-hydroxyhexanoyl-CoA	C27 H46 N7 O18 S P3	881.1815	882.1888	882.1800	882.1976
3-carboxy-3-hydroxypropanoyl-CoA	C25 H40 N7 O20 S P3	883.1244	884.1317	884.1228	884.1405
phenylacetyl-CoA	C29 H42 N7 O17 S P3	885.1553	886.1626	886.1537	886.1714
trans-oct-2-enoyl-CoA	C29 H48 N7 O17 S P3	891.2023	892.2095	892.2006	892.2185
3-methylglutaconyl-CoA	C27 H42 N7 O19 S P3	893.1451	894.1524	894.1435	894.1613
octanoyl-CoA	C29 H50 N7 O17 S P3	893.2179	894.2252	894.2162	894.2341
2-hydroxyglutaryl-CoA	C26 H42 N7 O20 S P3	897.1400	898.1473	898.1383	898.1563
citramalyl-CoA	C26 H42 N7 O20 S P3	897.1400	898.1473	898.1383	898.1563
erythro-3-methylmalyl-CoA	C26 H44 N7 O20 S P3	899.1557	900.1630	900.1540	900.1720
4-hydroxyphenylacetyl-CoA	C29 H42 N7 O18 S P3	901.1502	902.1575	902.1485	902.1665
3-oxo-octanoyl-CoA	C29 H48 N7 O18 S P3	907.1972	908.2044	908.1954	908.2135
3-oxo-adipyl-CoA	C27 H42 N7	909.1400	910.1473	910.1382	910.1564

	O20 S P3				
3-hydroxyoctanoyl-CoA	C29 H50 N7 O18 S P3	909.2128	910.2201	910.2110	910.2292
3-hydroxy-3-methylglutaryl-CoA (HMG-CoA)	C27 H44 N7 O20 S P3	911.1557	912.1630	912.1538	912.1721
trans-dec-2-enoyl-CoA	C31 H52 N7 O17 S P3	919.2336	920.2408	920.2316	920.2500
siroheme	C42 H48 N4 O16 Fe(II)	920.2391	921.2464	921.2372	921.2556
decanoyl-CoA	C31 H54 N7 O17 S P3	921.2492	922.2565	922.2473	922.2657
cobinamide	C45 H65 N10 O8 Co	932.4313	933.4385	933.4292	933.4479
3-oxo-decanoyl-CoA	C31 H52 N7 O18 S P3	935.2285	936.2357	936.2264	936.2451
3-hydroxydecanoyl-CoA	C31 H54 N7 O18 S P3	937.2441	938.2514	938.2420	938.2608
cobyrinate	C45 H59 N4 O14 Co	938.3353	939.3426	939.3332	939.3520
citryl-CoA	C27 H42 N7 O22 S P3	941.1299	942.1371	942.1277	942.1466
trans-dodec-2-enoyl-CoA	C33 H56 N7 O17 S P3	947.2649	948.2721	948.2627	948.2816
dodecanoyl-CoA	C33 H58 N7 O17 S P3	949.2805	950.2878	950.2783	950.2973
3-oxo-dodecanoyl-CoA	C33 H56 N7 O18 S P3	963.2598	964.2670	964.2574	964.2767
3-hydroxydodecanoyl-CoA	C33 H58 N7 O18 S P3	965.2754	966.2827	966.2730	966.2924
trans-tetradec-2-enoyl-CoA	C35 H60 N7 O17 S P3	975.2962	976.3034	976.2937	976.3132
myristoyl-CoA	C35 H62 N7 O17 S P3	977.3118	978.3191	978.3093	978.3289
palmitoyl-CoA	C37 H66 N7 O17 S P3	990.2257	991.2330	991.2231	991.2429
cellohexose	C36 H62 O31	990.3274	991.3346	991.3247	991.3446
3-oxo-tetradecanoyl-CoA	C35 H60 N7 O18 S P3	991.2911	992.2983	992.2884	992.3083
3-hydroxytetradecanoyl-CoA	C35 H62 N7 O18 S P3	993.3067	994.3140	994.3041	994.3239
P1, P4-bis (5'-adenosyl) tetraphosphate	C20 H28 N10 O19 P4	995.9950	997.0023	996.9923	997.0123
bilirubin β -diglucuronide	C45 H52 N4 O22	1000.3072	1001.3145	1001.3045	1002.249758
trans-hexadec-2-enoyl-CoA	C37 H64 N7 O17 S P3	1003.3275	1004.3347	1004.3247	1018.244668
3-oxo-hexadecanoyl-CoA	C37 H64 N7 O18 S P3	1019.3224	1020.3296	1020.3194	1020.260318
3-hydroxyhexadecanoyl-CoA	C37 H66 N7 O18 S P3	1021.3380	1022.3453	1022.3351	1050.188243
UDP-N-acetylmuramoylalanyl- γ -glutamyl- meso-2,6-diaminopimelate	C35 H55 N7 O26 P2	1051.2659	1052.2732	1052.2627	1054.353893
vasopressin	C46 H65 N13 O12 S2	1055.4316	1056.4389	1056.4283	1058.483583
bradykinin	C50 H73 N15 O11	1059.5613	1060.5686	1060.5580	1060.328008
phytanoyl-CoA	C41 H74 N7 O17 S P3	1061.4057	1062.4130	1062.4024	1140.317828
chenodeoxycholoyl-CoA	C45 H74 N7 O19 S P3	1141.3955	1142.4028	1142.3914	1140.317828
chenodeoxyglycocholoyl-CoA	C45 H74 N7	1141.3955	1142.4028	1142.3914	1151.302458

	O19 S P3				
celloheptaose	C42 H72 O36	1152.3802	1153.3874	1153.3759	1156.312738
choloyl-CoA	C45 H74 N7 O20 S P3	1157.3904	1158.3977	1158.3861	1180.349128
3 α ,7 α -dihydroxy-5 β -cholest-24-enoyl-CoA	C48 H78 N7 O19 S P3	1181.4268	1182.4341	1182.4223	1182.364778
3 α ,7 α -dihydroxy-5 β -cholestanoyl-CoA	C48 H80 N7 O19 S P3	1183.4425	1184.4498	1184.4379	1192.262453
UDP-N-acetylmuramoylalanylglutamyl-meso-2,6-diaminopimeloylalanyl alanine	C41 H65 N9 O28 P2	1193.3402	1194.3474	1194.3355	1196.344038
3 α ,7 α ,12 α -trihydroxy-5 β -cholest-24-enoyl-CoA	C48 H78 N7 O20 S P3	1197.4217	1198.4290	1198.4170	1196.344038
3 α ,7 α -dihydroxy-5 β -24-oxocholestanoyl-CoA	C48 H78 N7 O20 S P3	1197.4217	1198.4290	1198.4170	1198.229398
3 α ,7 α ,12 α ,24 ξ -tetrahydroxy-5 β -cholestanoyl-CoA	C48 H64 N7 O21 S P3	1199.3071	1200.3144	1200.3024	1198.359688
3 α ,7 α ,12 α -trihydroxy-5 β -cholestanoyl-CoA	C48 H80 N7 O20 S P3	1199.4374	1200.4447	1200.4327	1212.338948
3 α ,7 α ,12 α -trihydroxy-5 β -24-oxocholelestanoyl-CoA	C48 H78 N7 O21 S P3	1213.4167	1214.4239	1214.4118	1342.508883
methylcobalamin	C63 H91 N13 O14 P Co	1343.5866	1344.5939	1344.5804	1345.495968
Hydroxycobalamin	C62 H90 N13 O15 P Co	1346.5737	1347.5809	1347.5675	1353.488478
cyanocobalamin	C63 H88 Co N14 O14 P	1354.5662	1355.5735	1355.5599	1577.579388
5'-deoxyadenosyl cobalamin	C72 H100 N18 O17 P Co	1578.6571	1579.6644	1579.6486	1633.561348
glutathionylcobalamin	C72 H104 N16 O20 S P Co	1634.6391	1635.6463	1635.6300	1657.545153
adenosylcobalamin	C72 H101 N18 O20 P2 Co	1658.6229	1659.6301	1659.6135	1002.249758